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FIG. 1

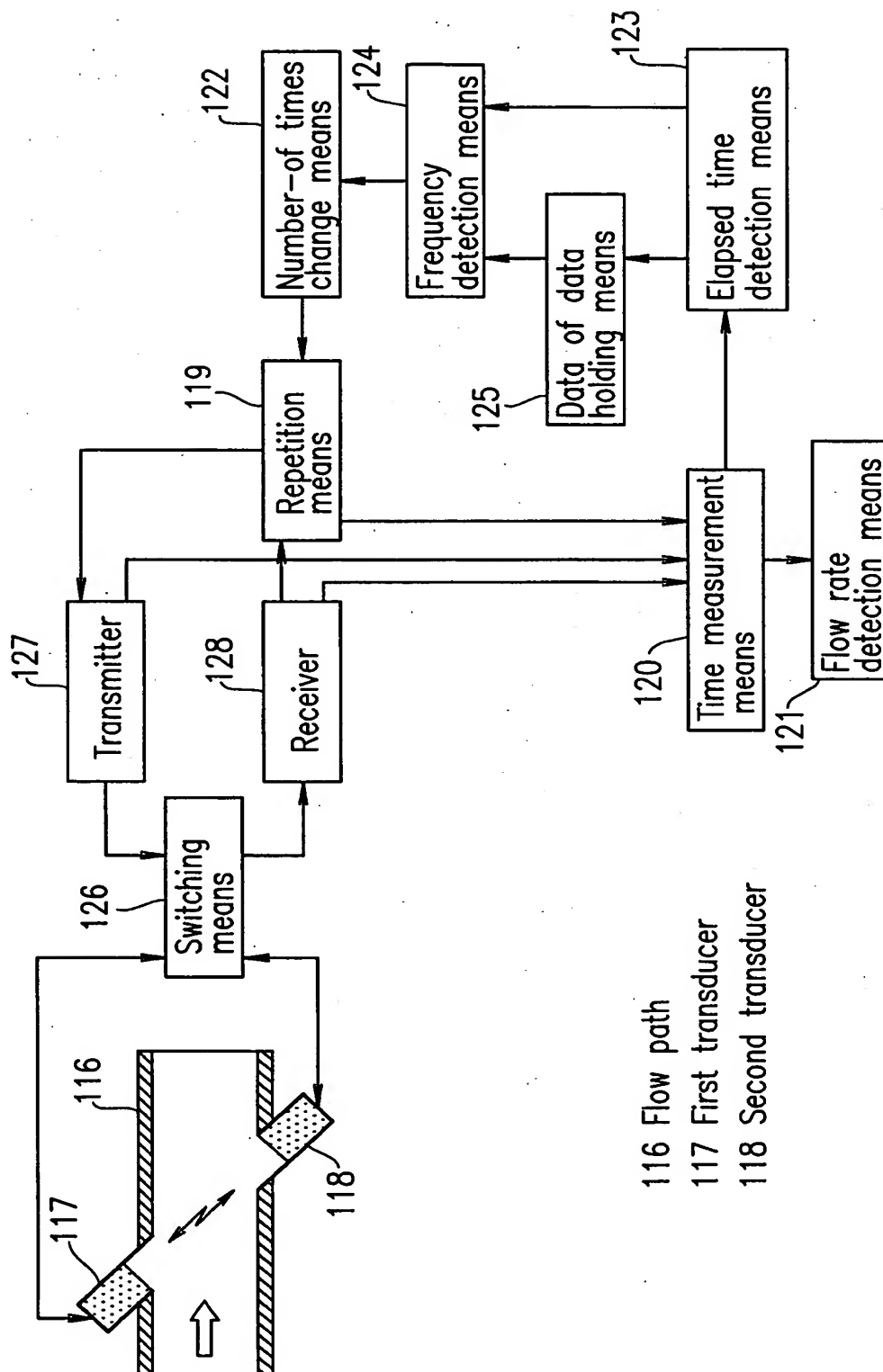
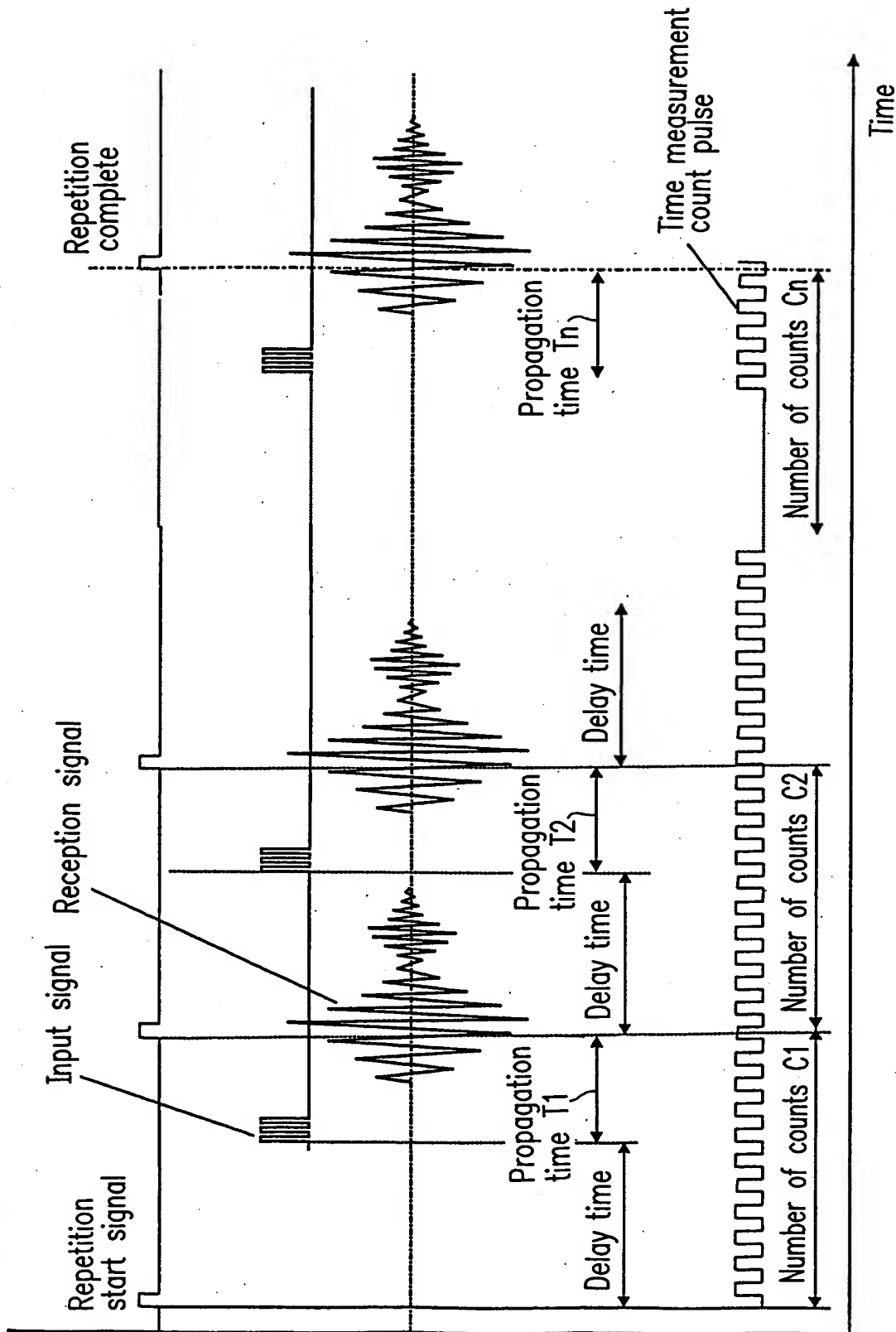
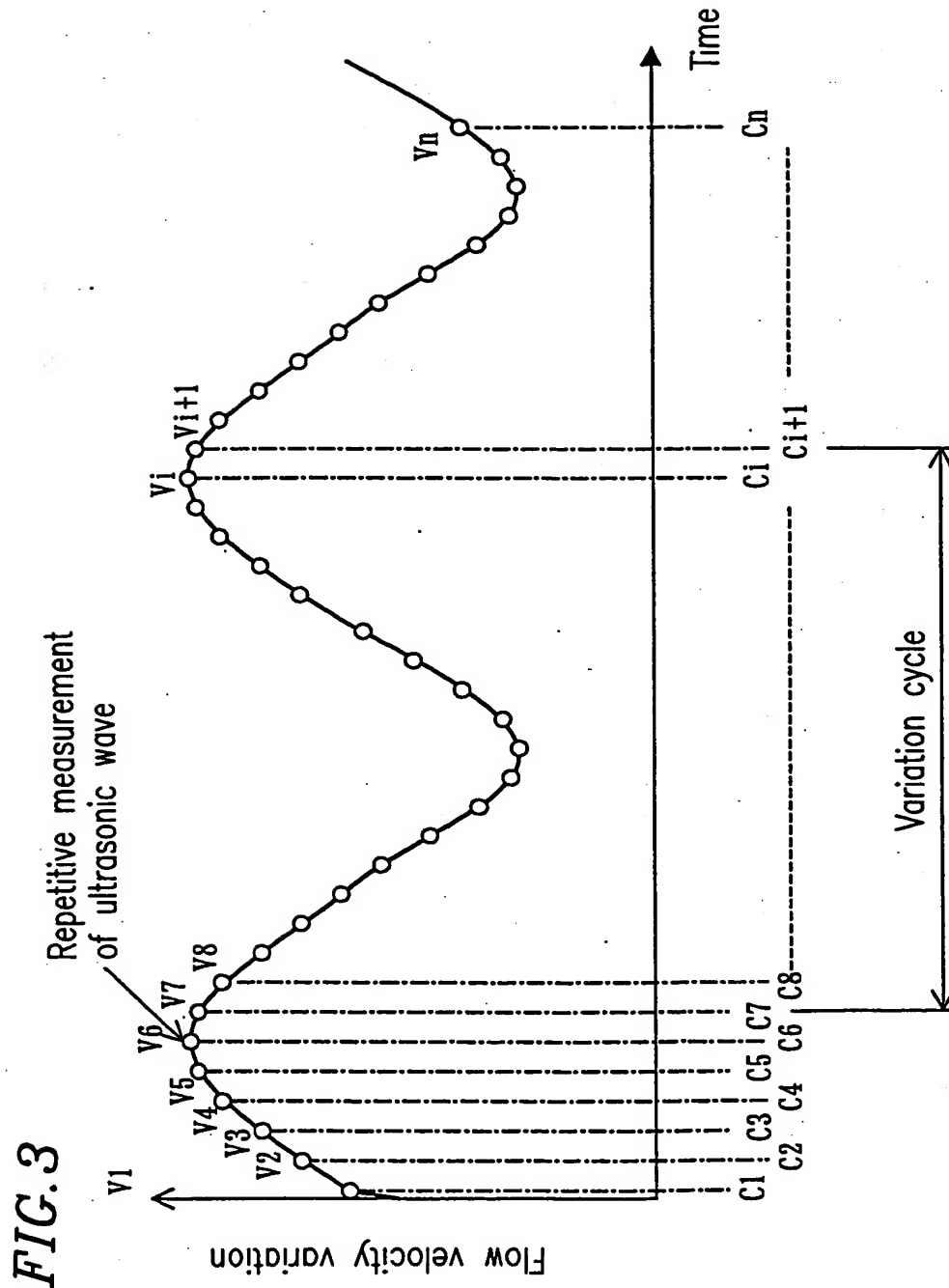


FIG. 2



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FIG. 4

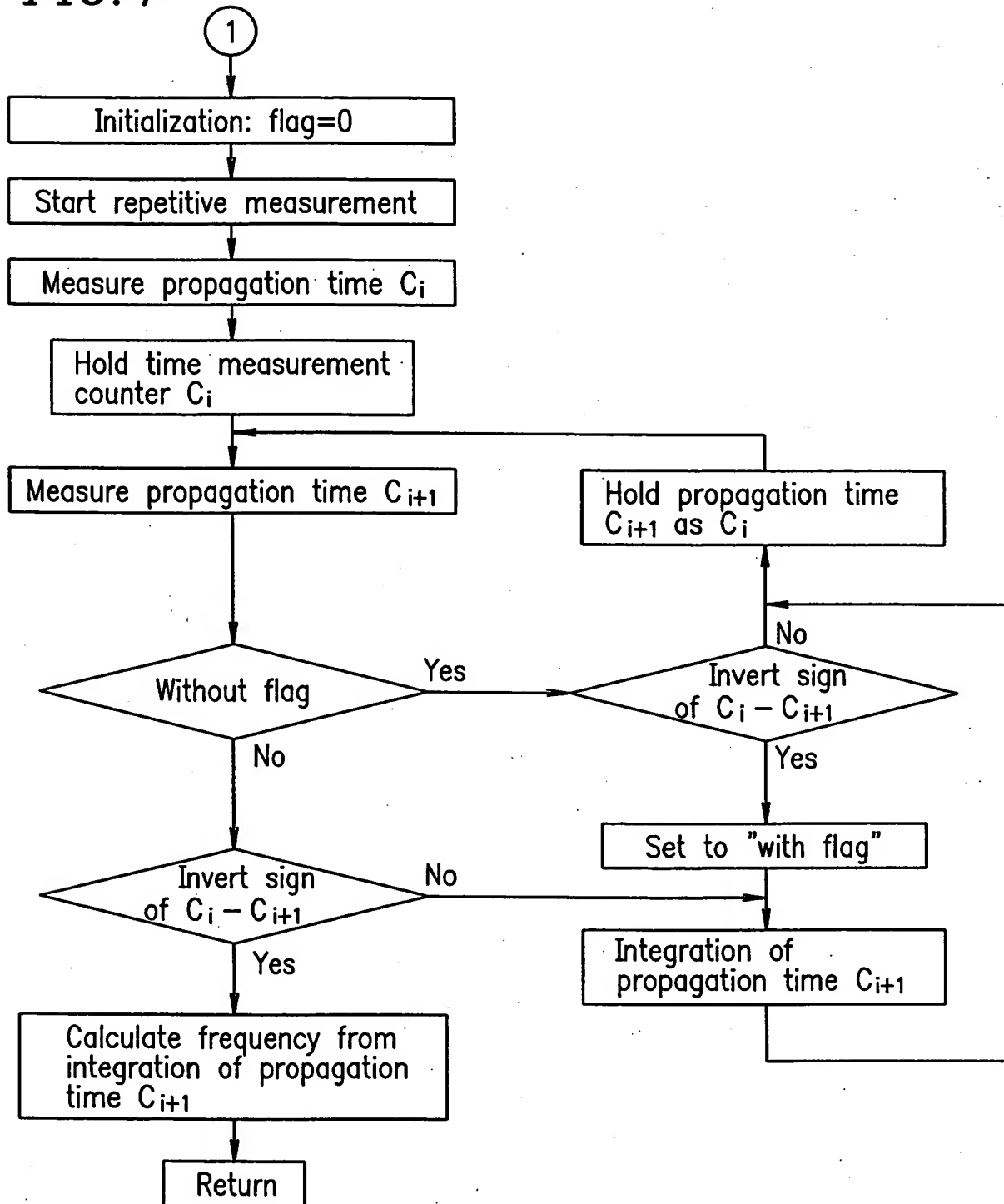
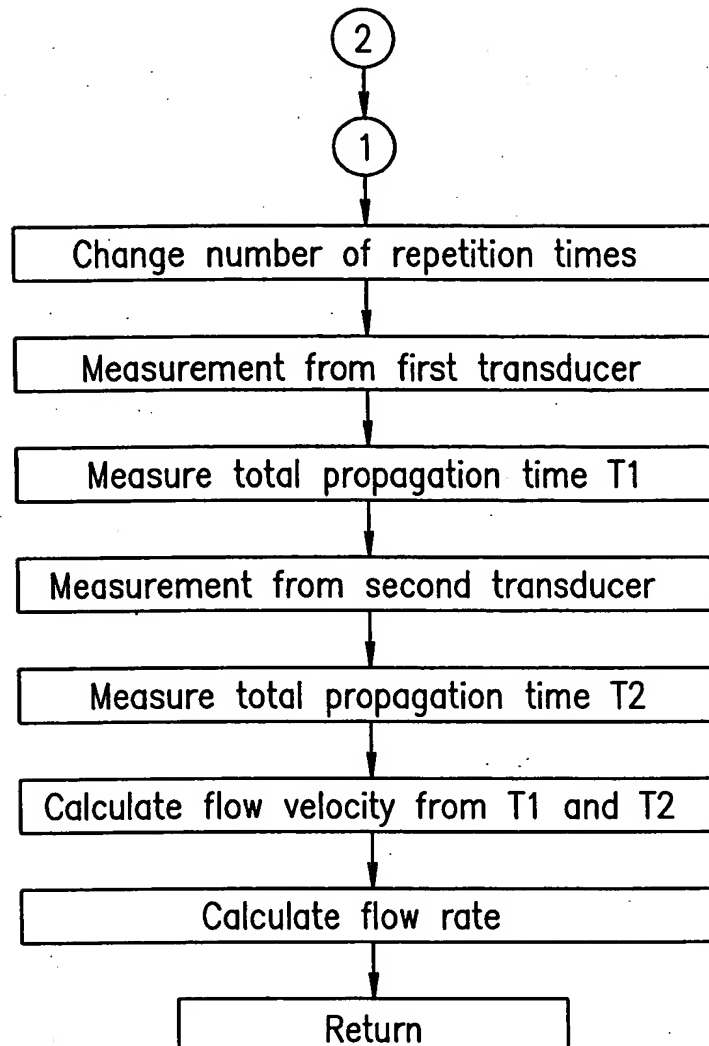
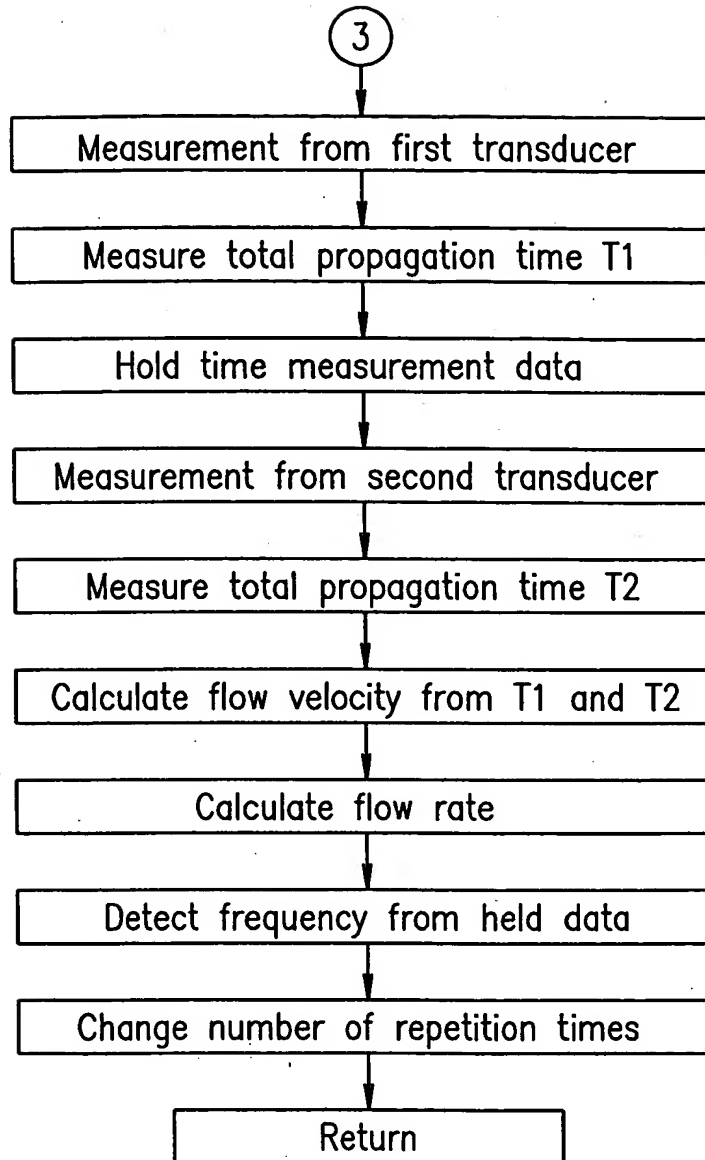


FIG. 5

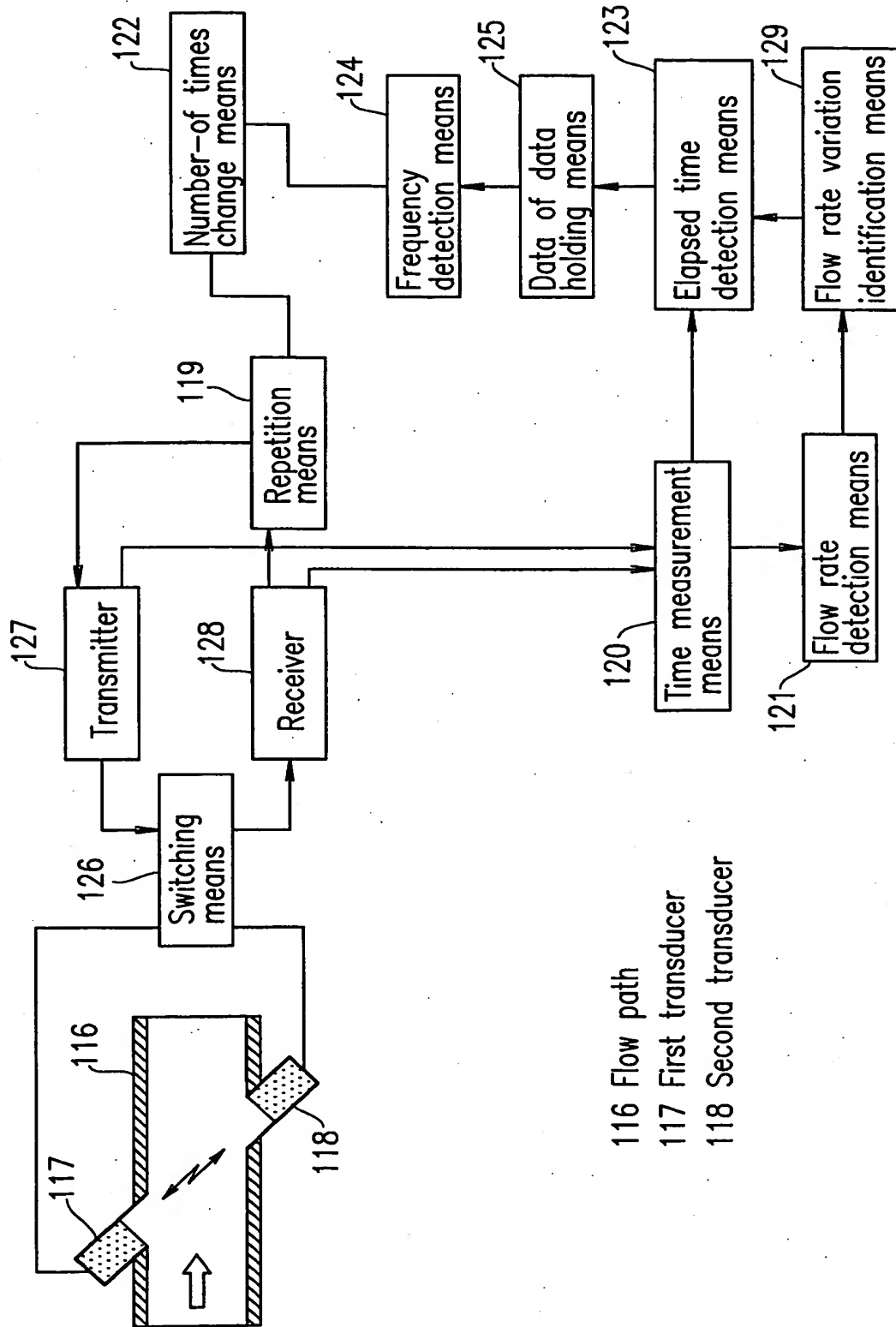
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FIG. 6

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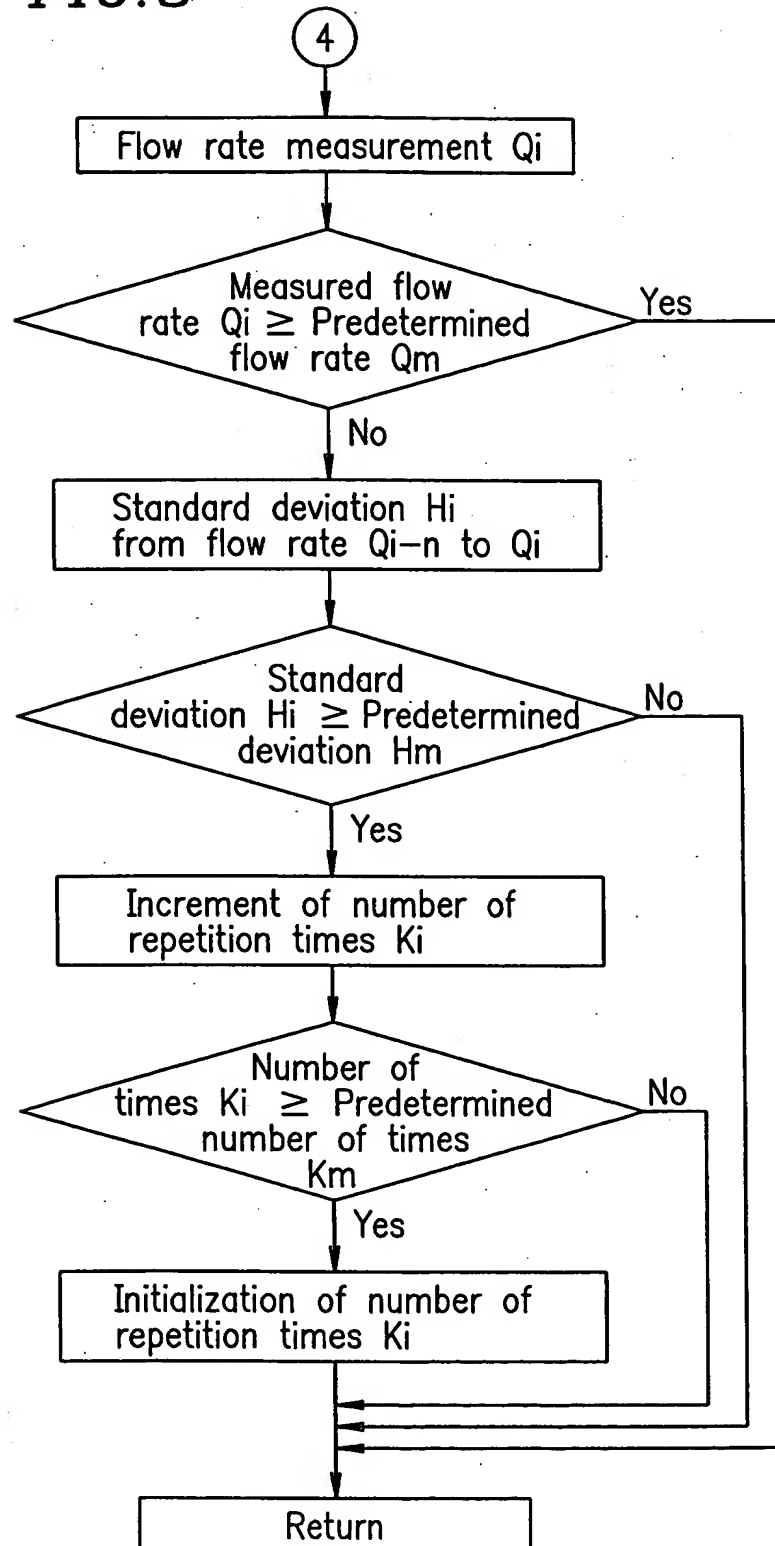
FIG. 7



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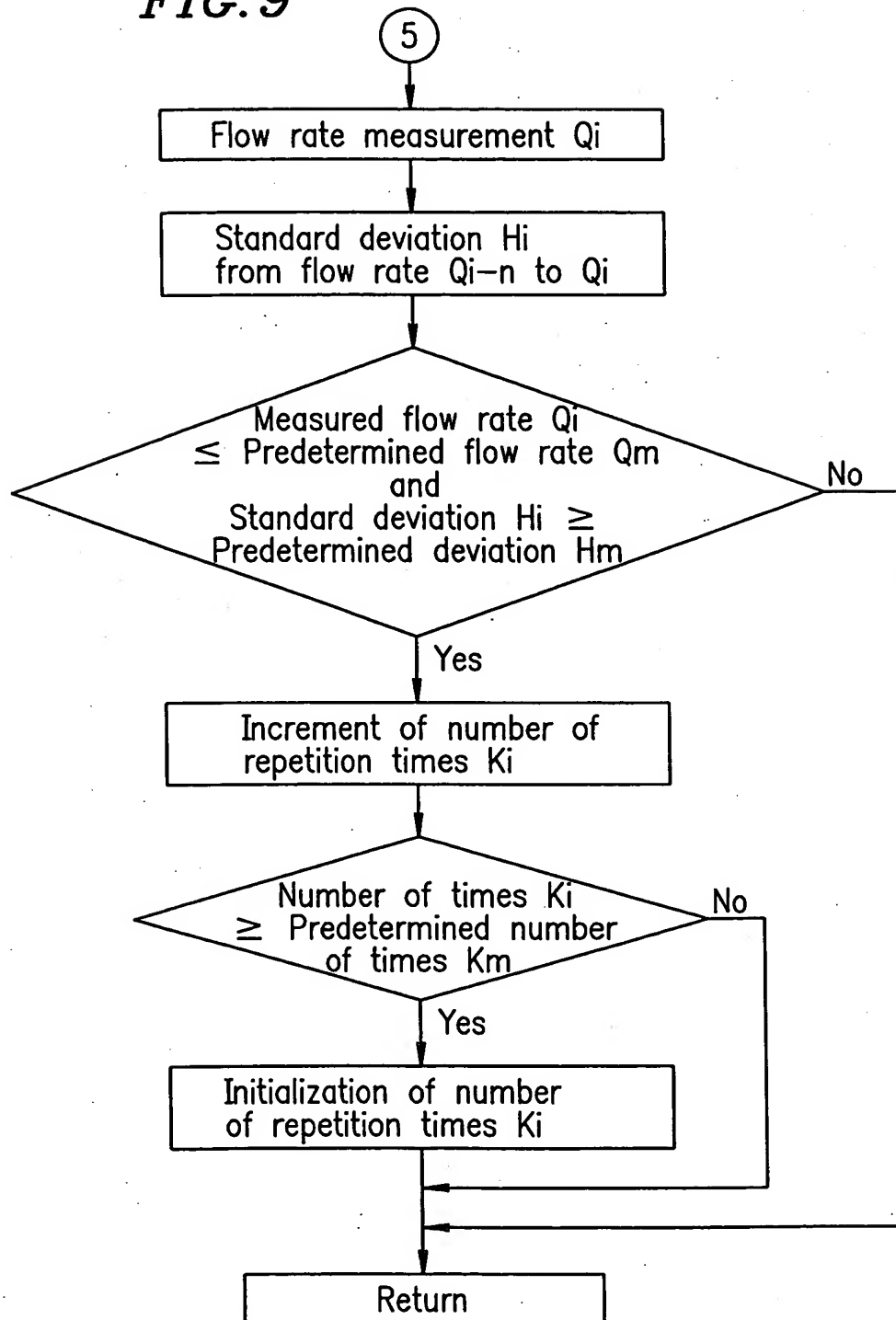
FIG. 8



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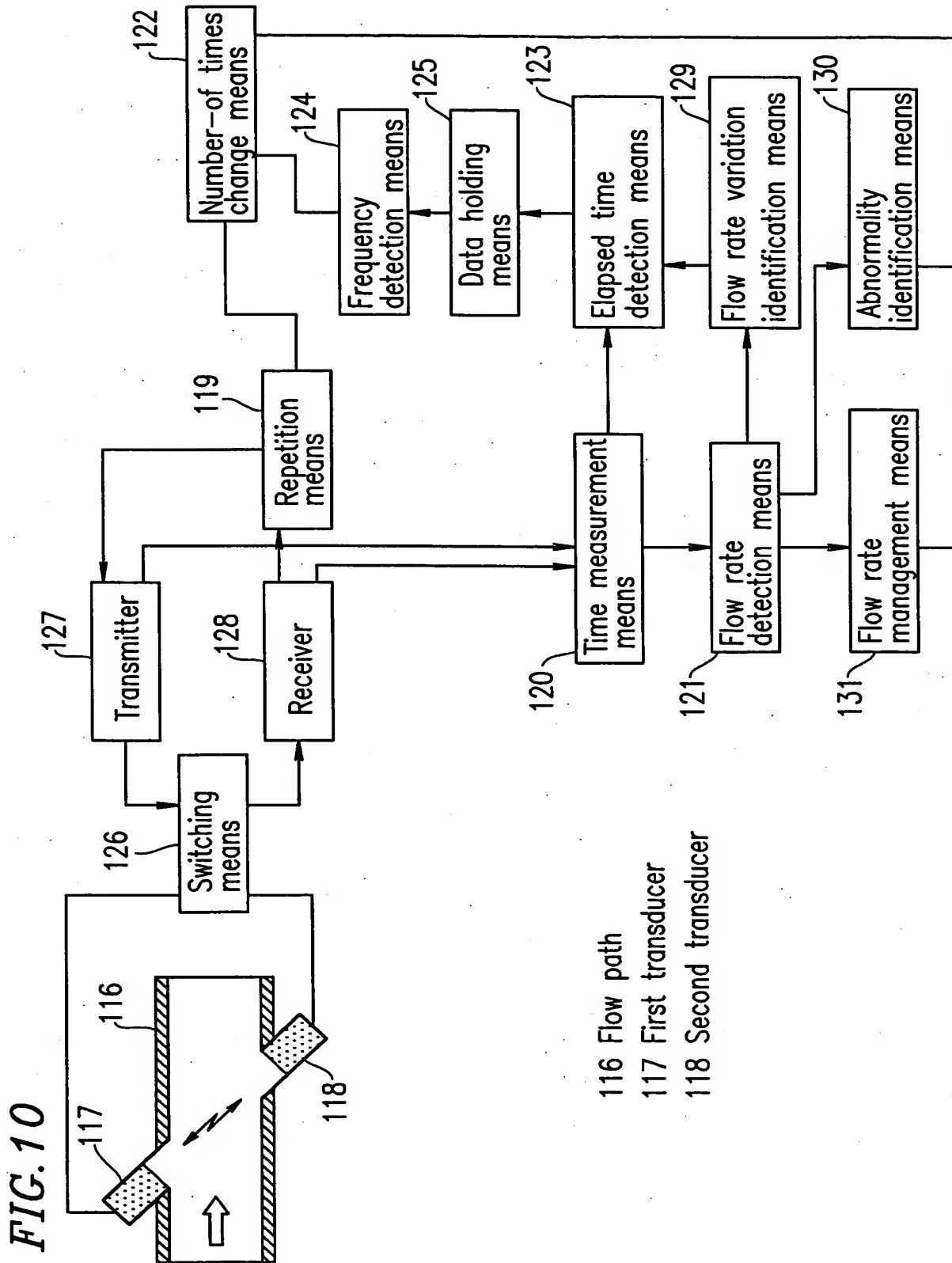
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FIG. 9



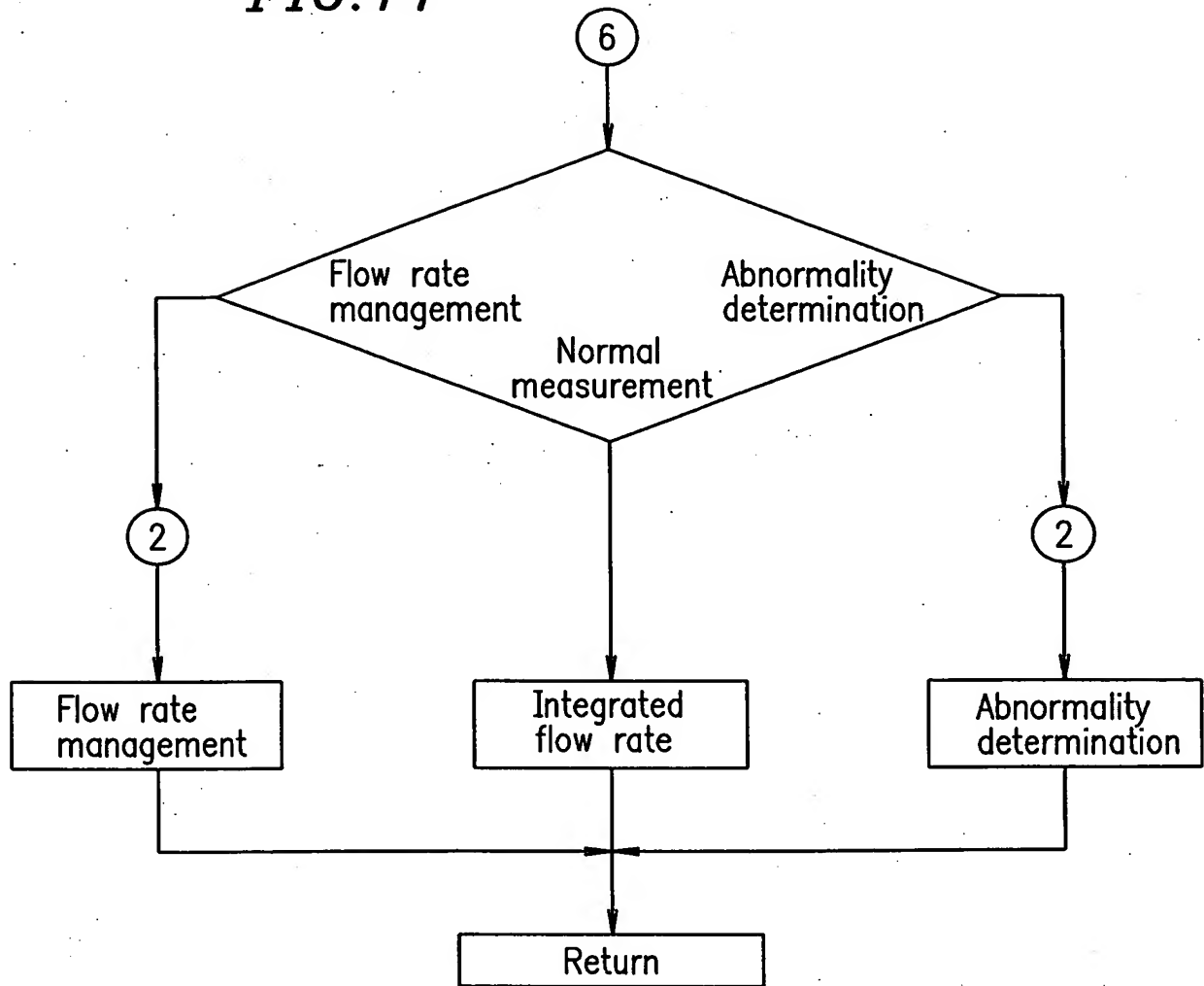
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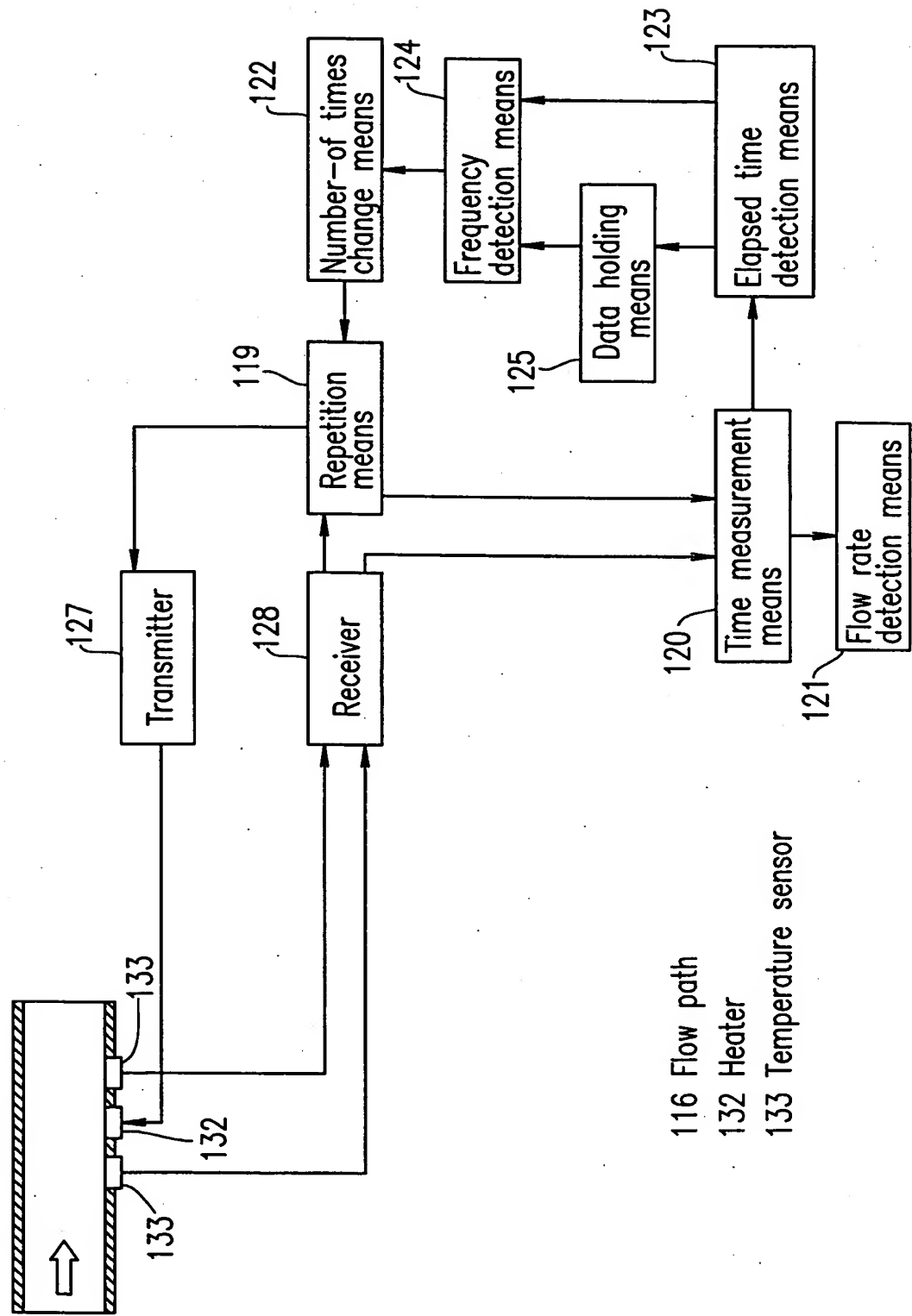
FIG. 11

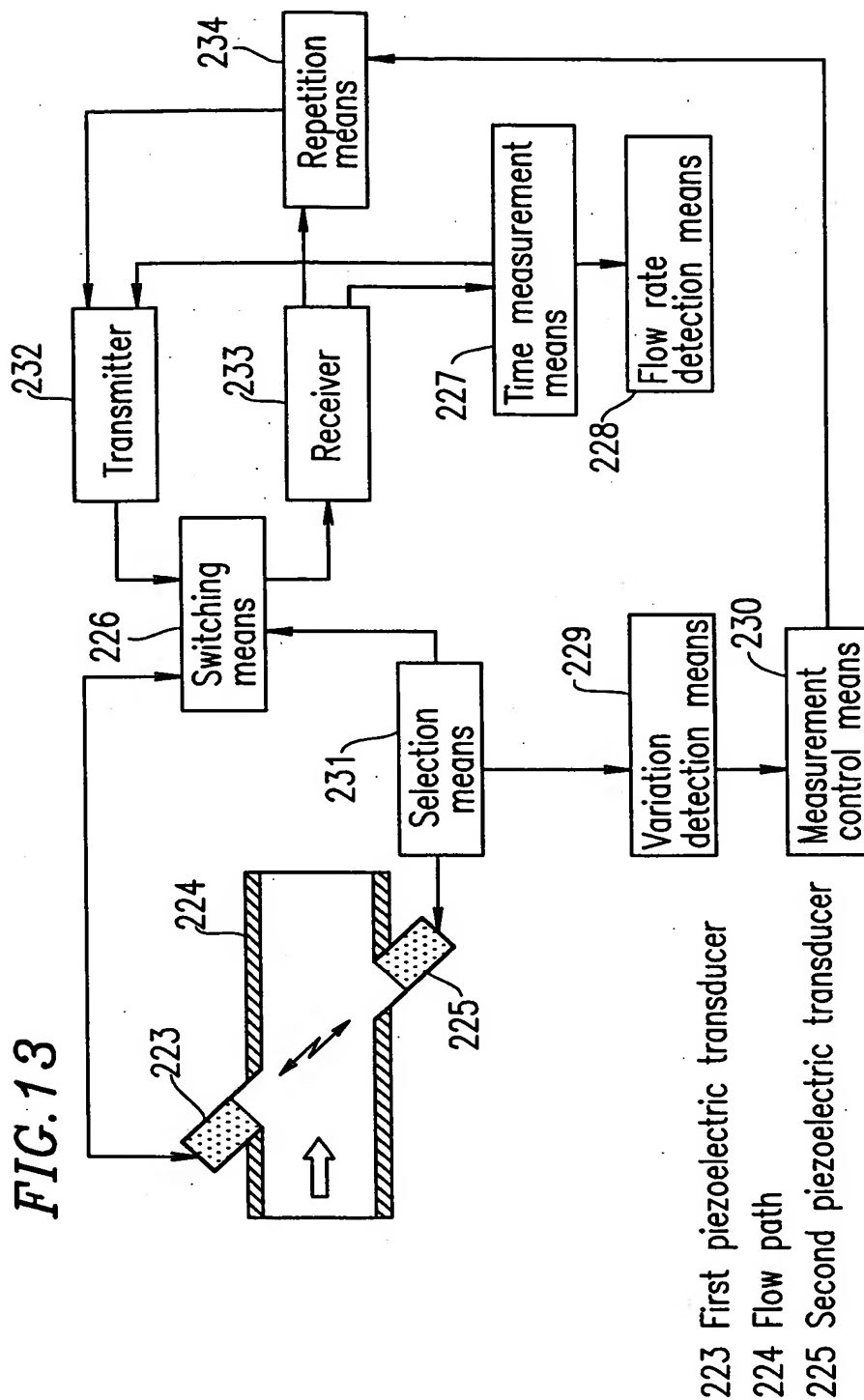


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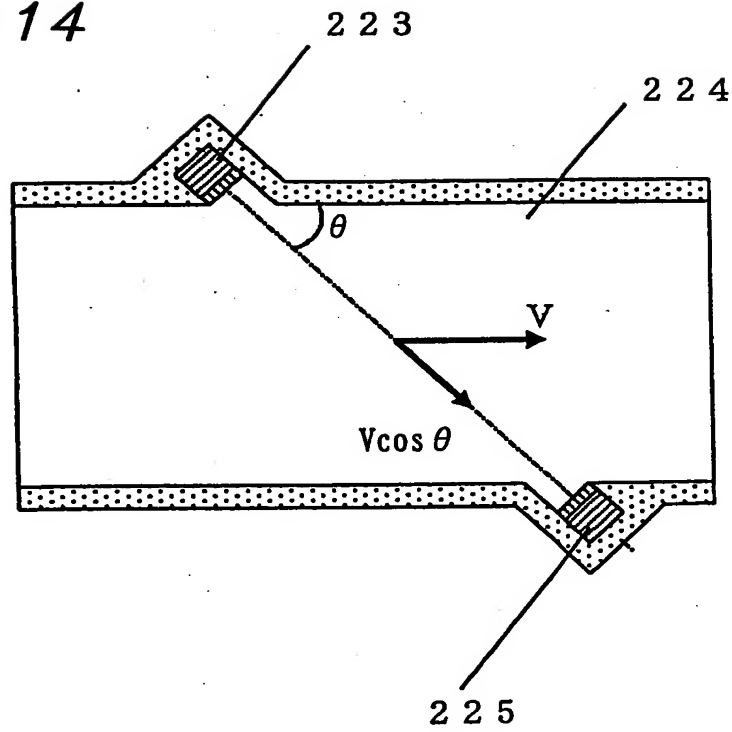
FIG. 12





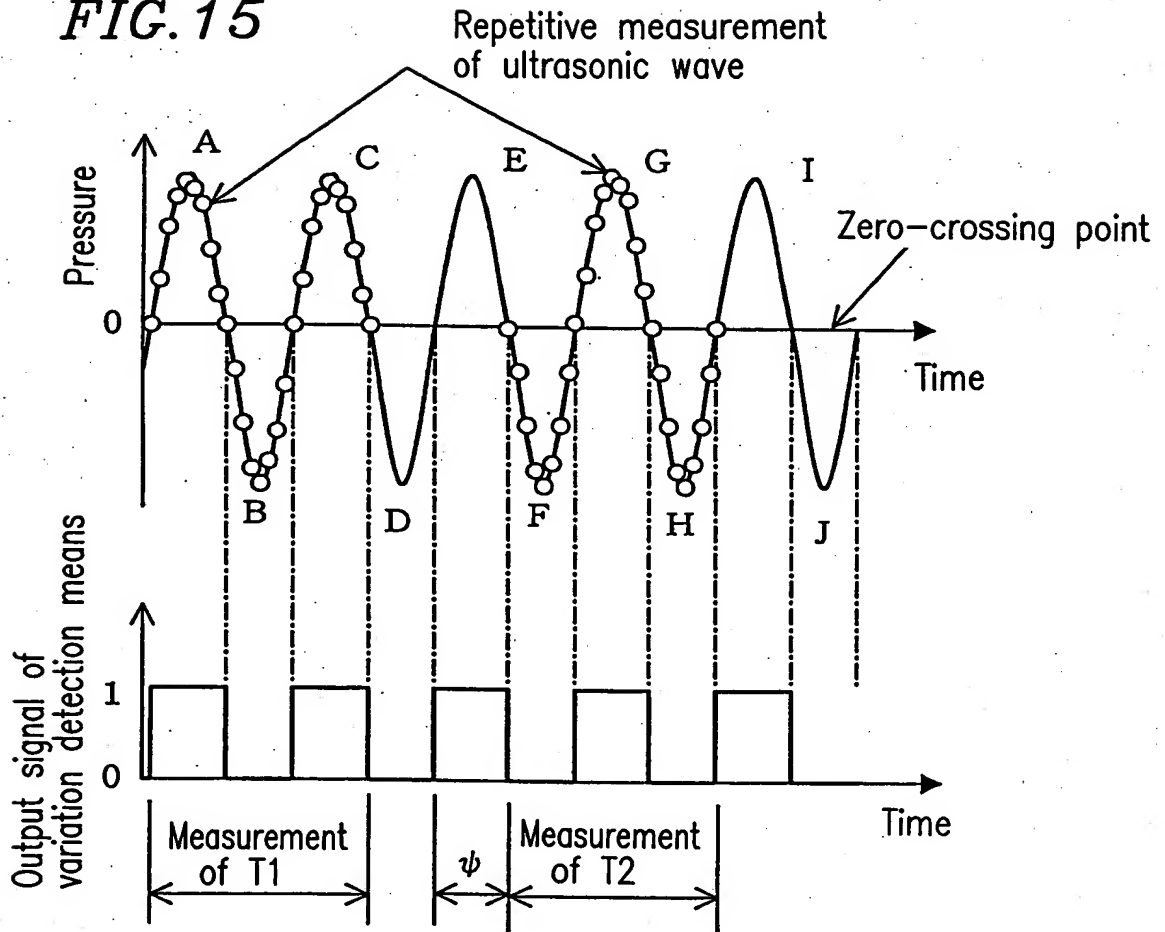
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FIG. 14



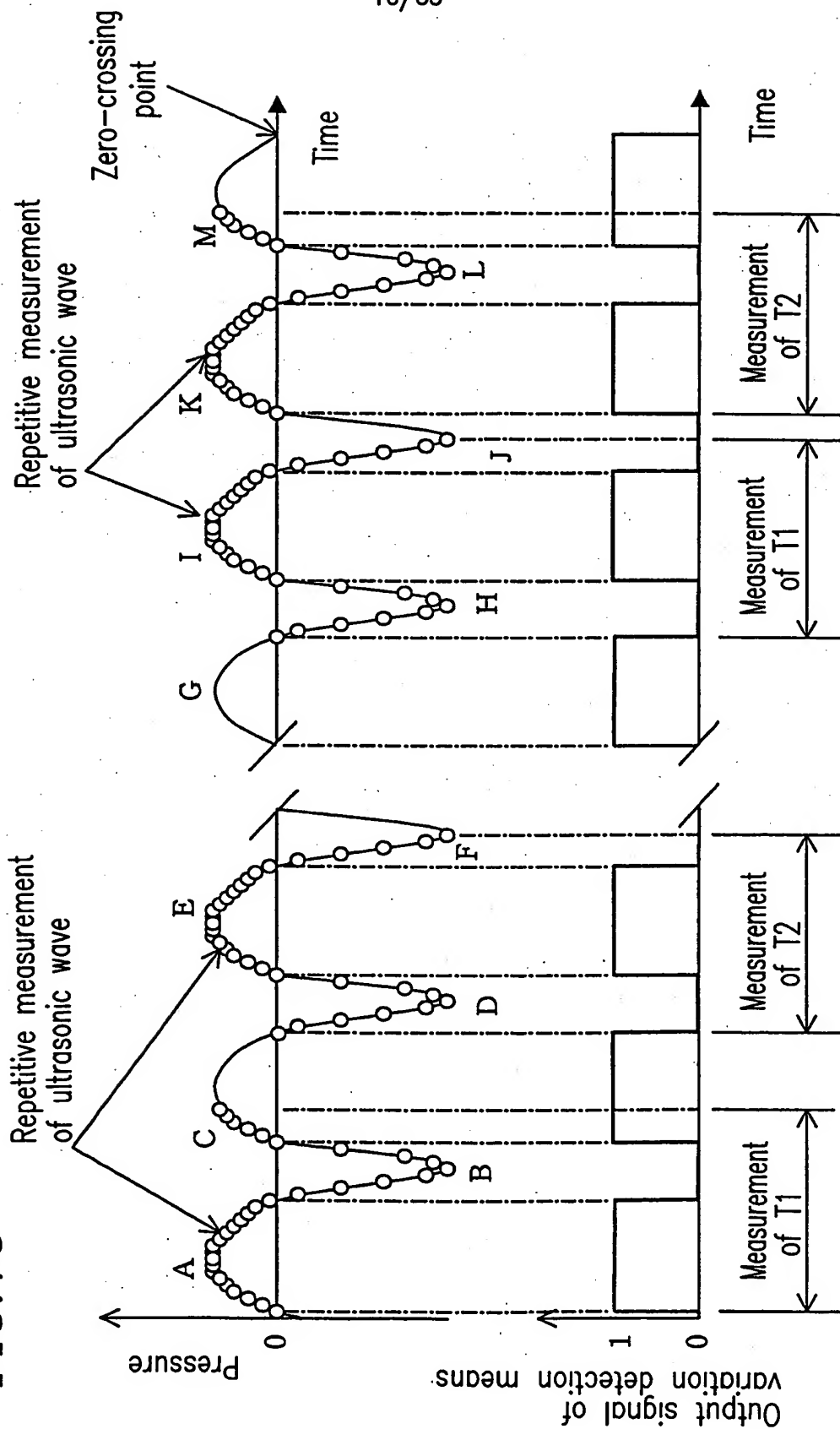
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FIG. 15

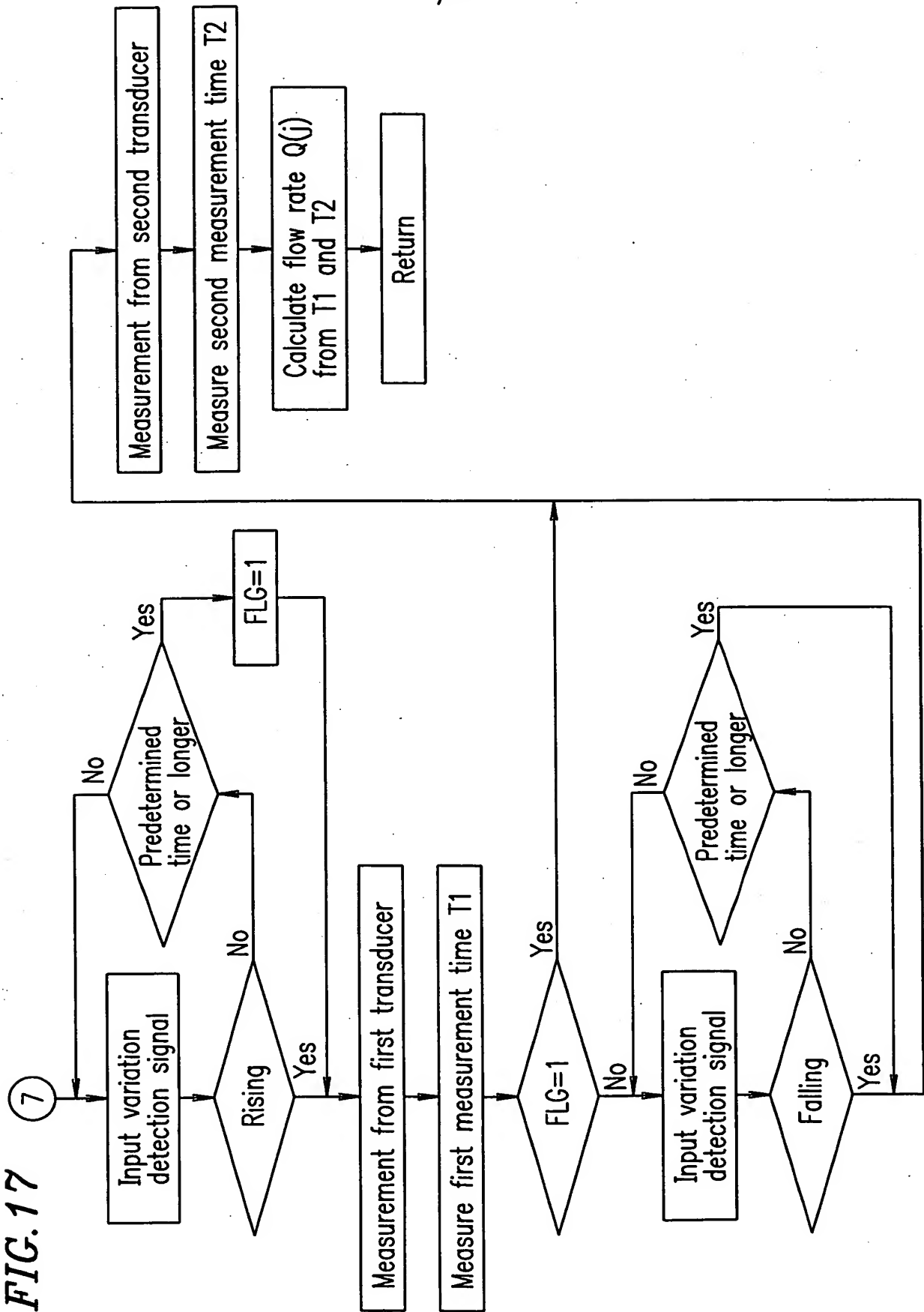
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FIG. 16



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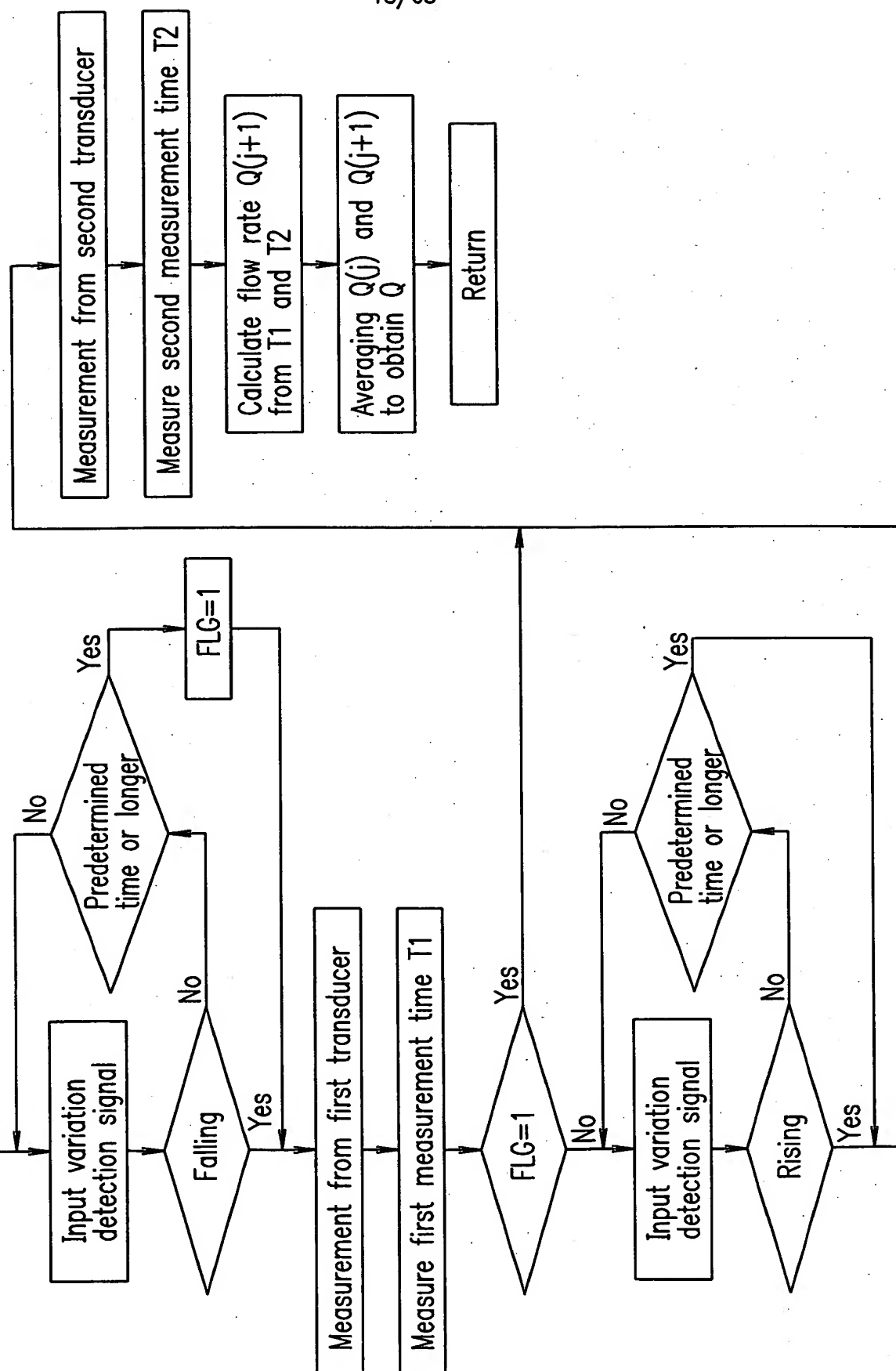
FIG. 17

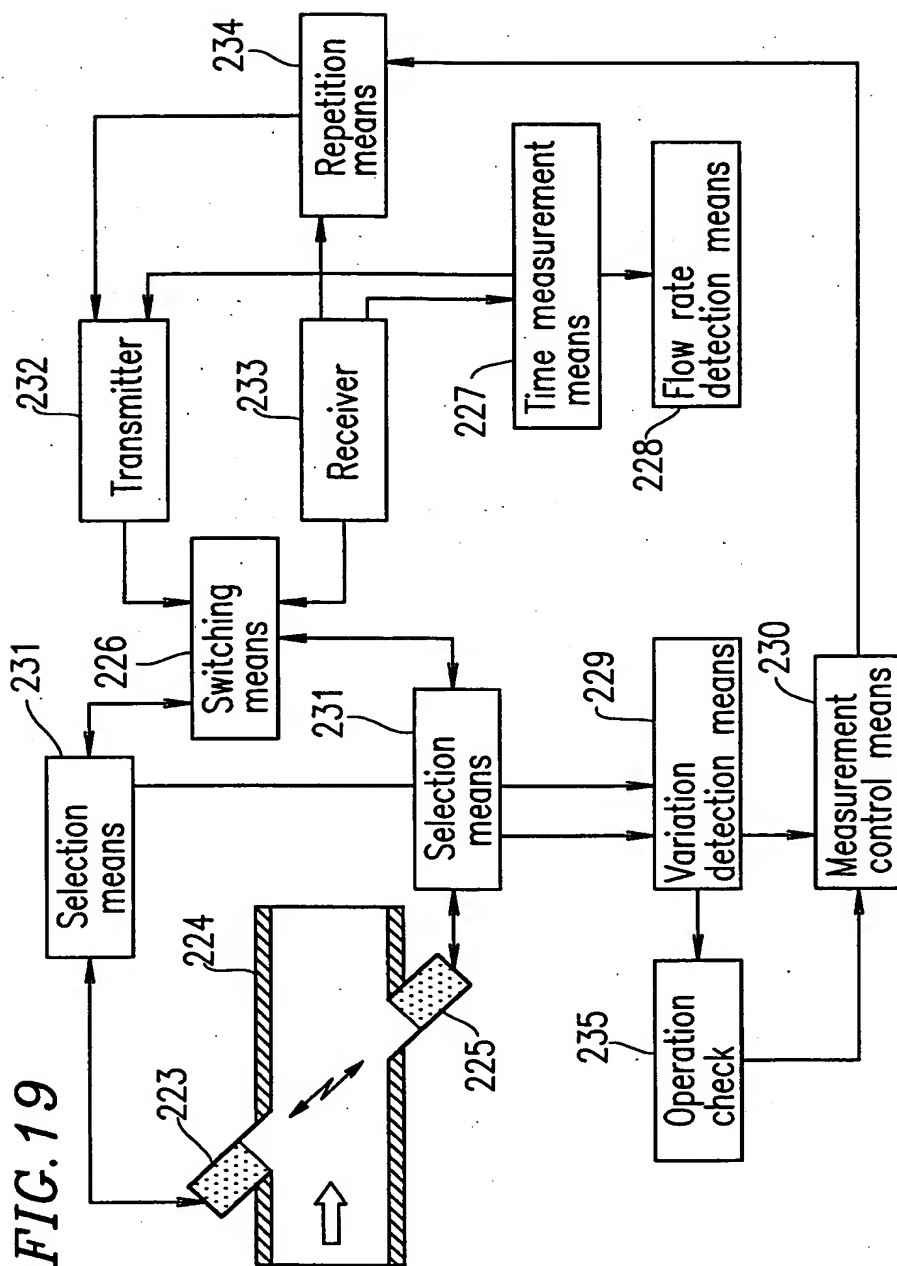


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FIG. 18

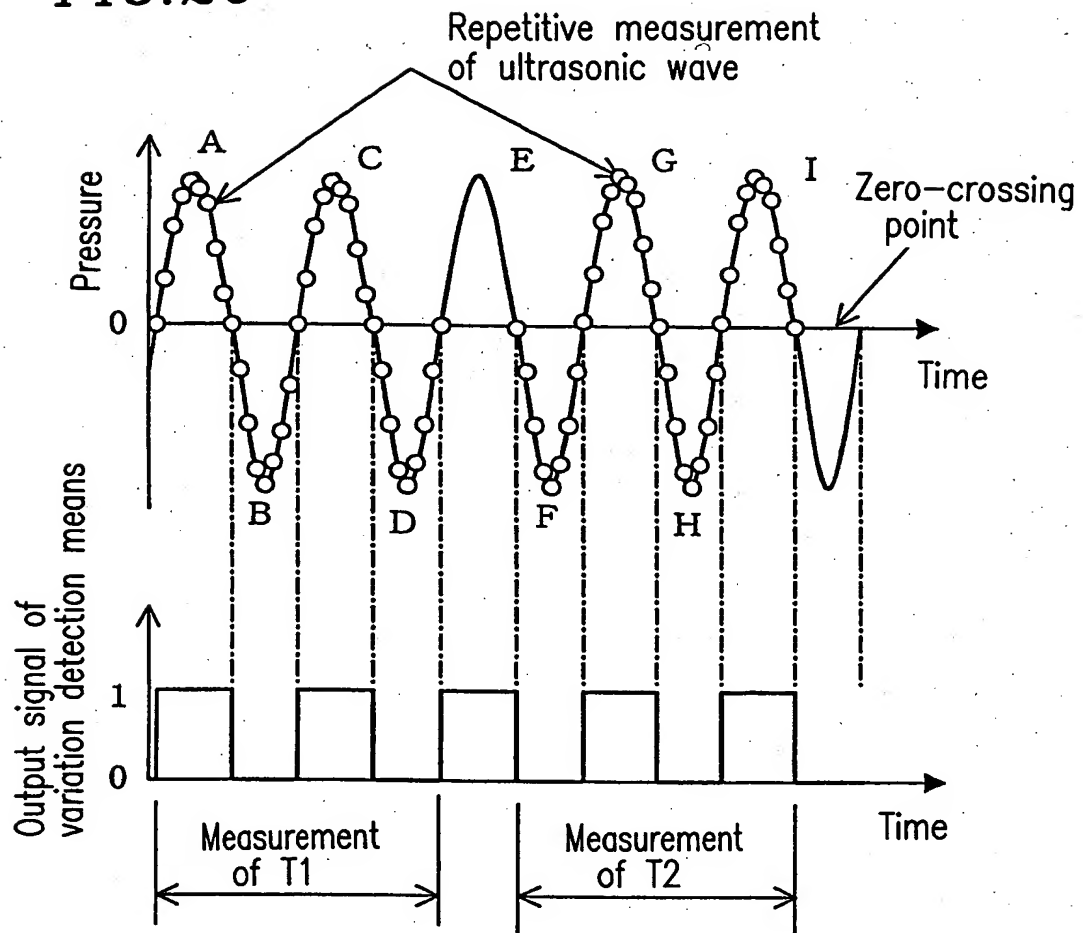
8



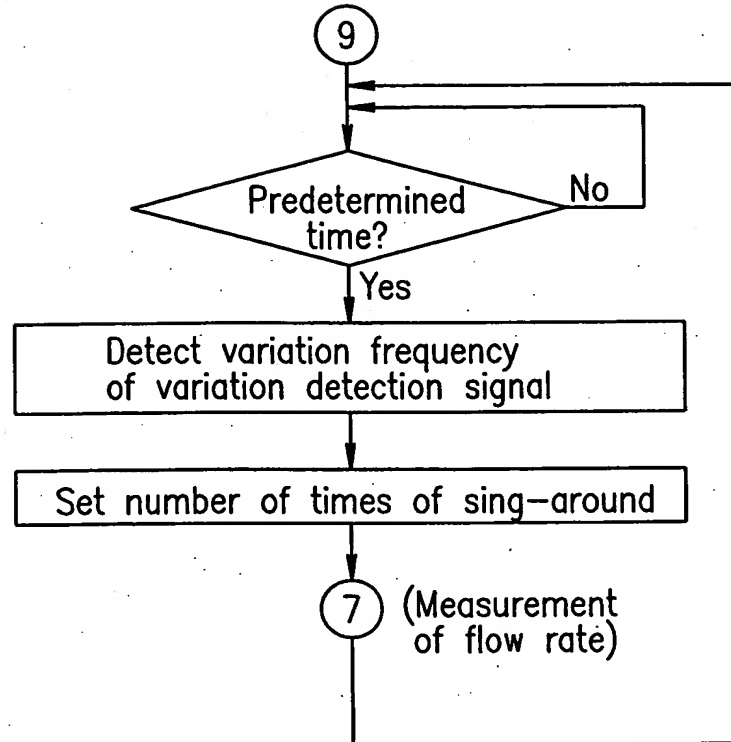


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FIG. 20



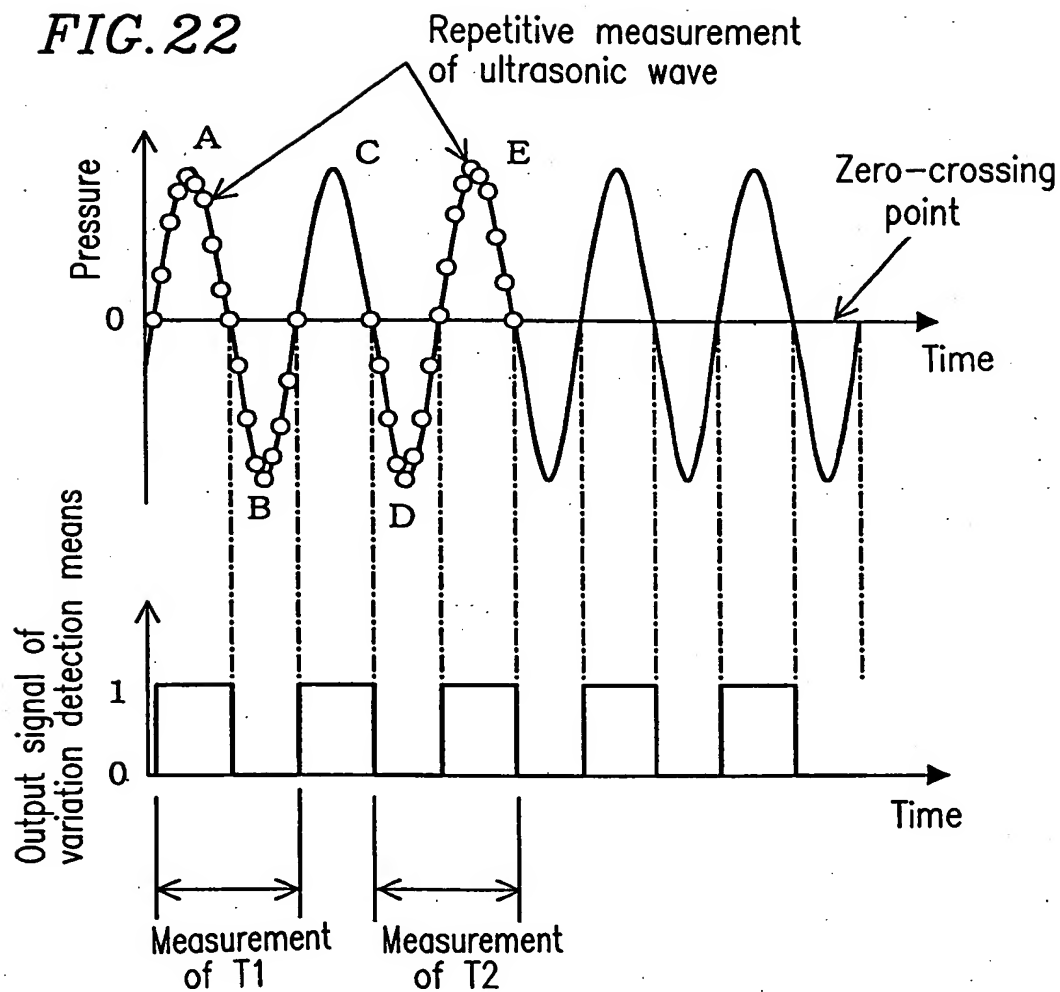
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FIG. 21

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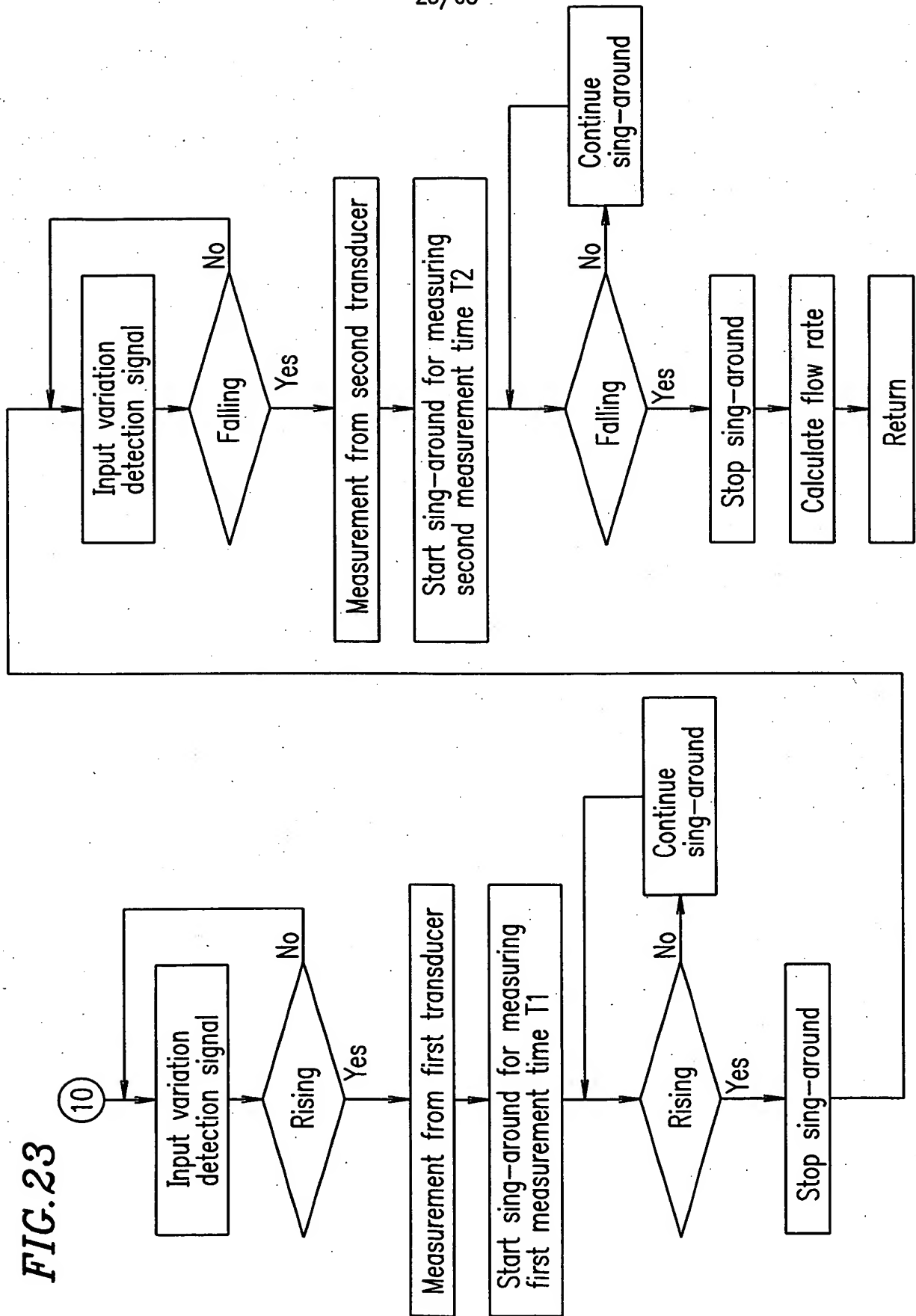
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FIG. 22



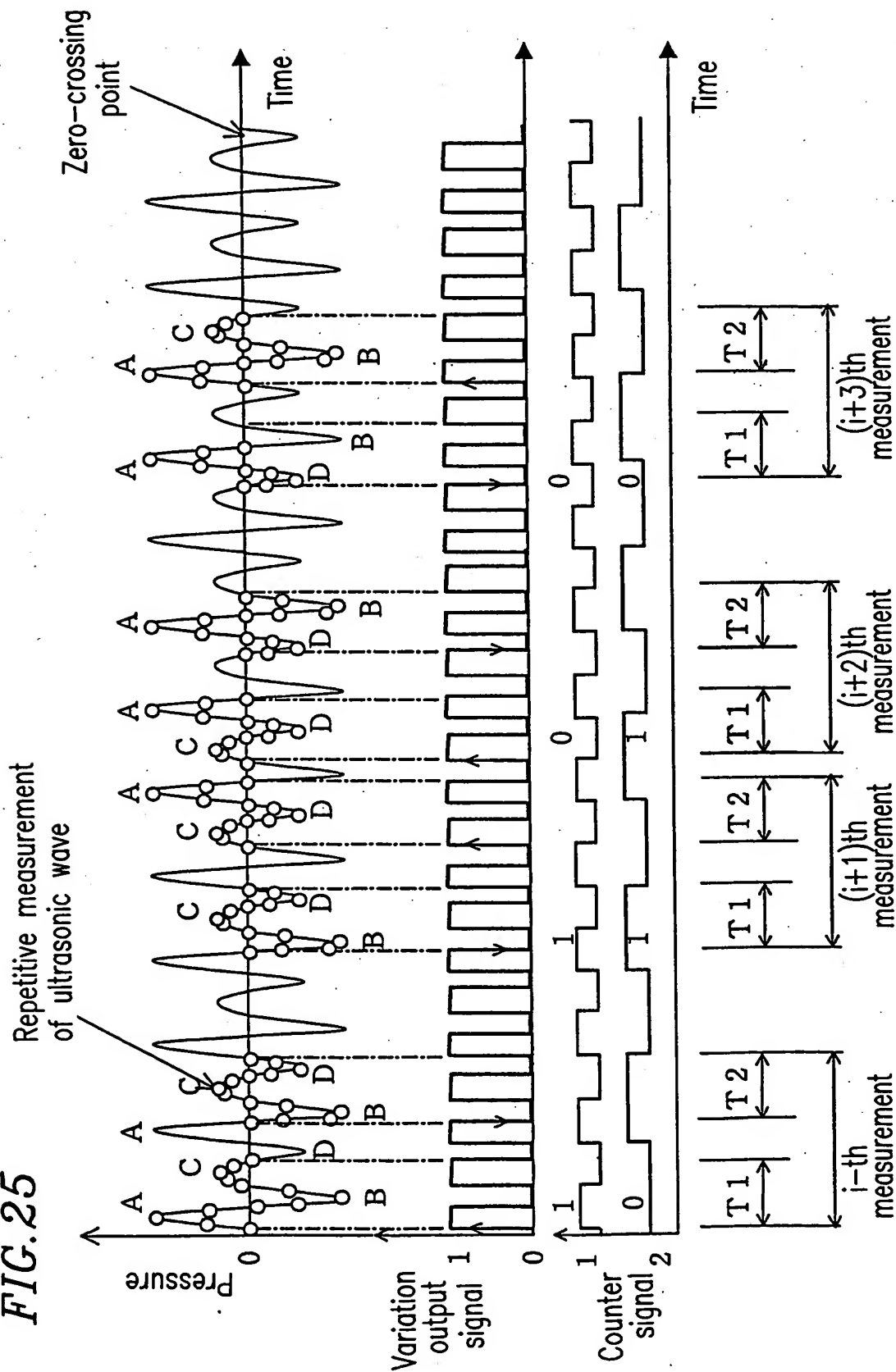
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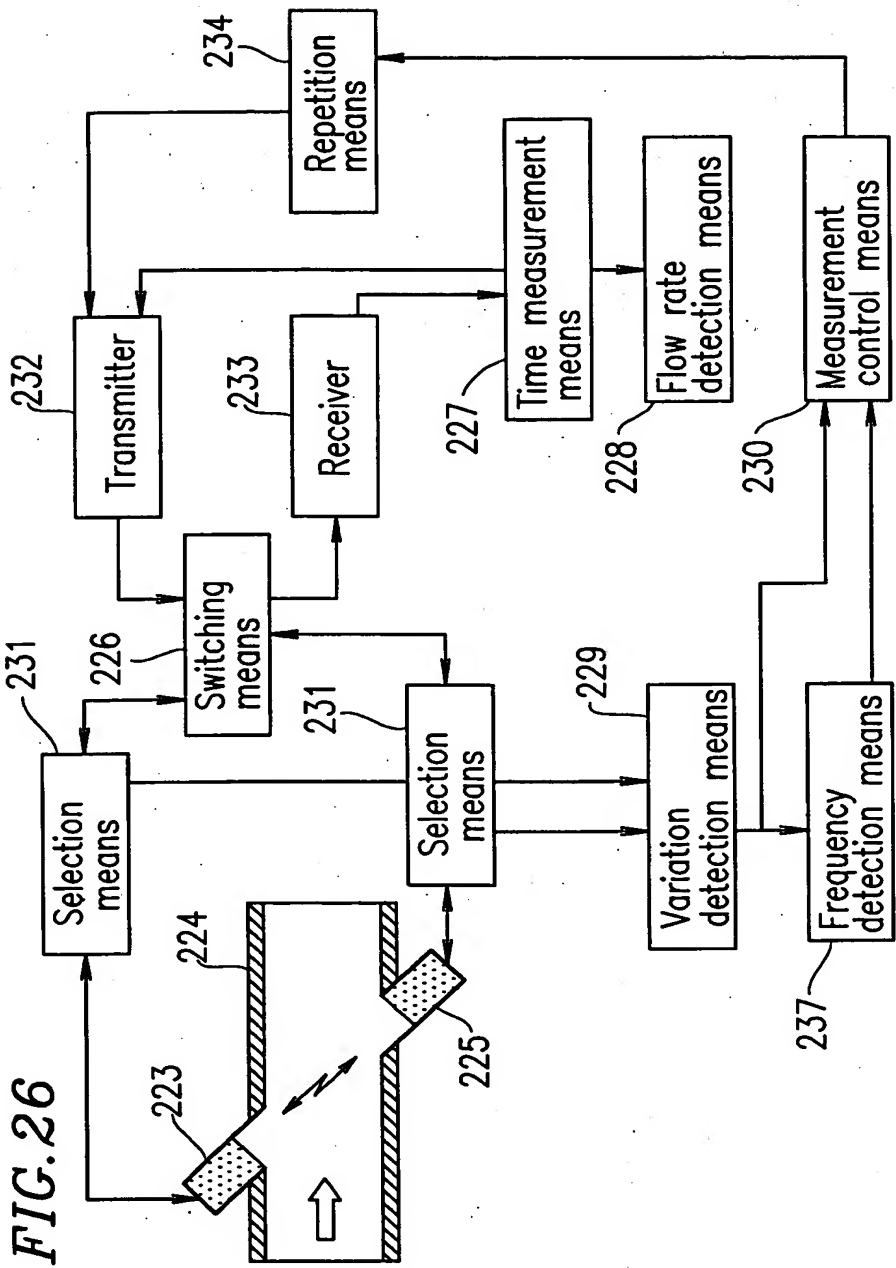
FIG. 23



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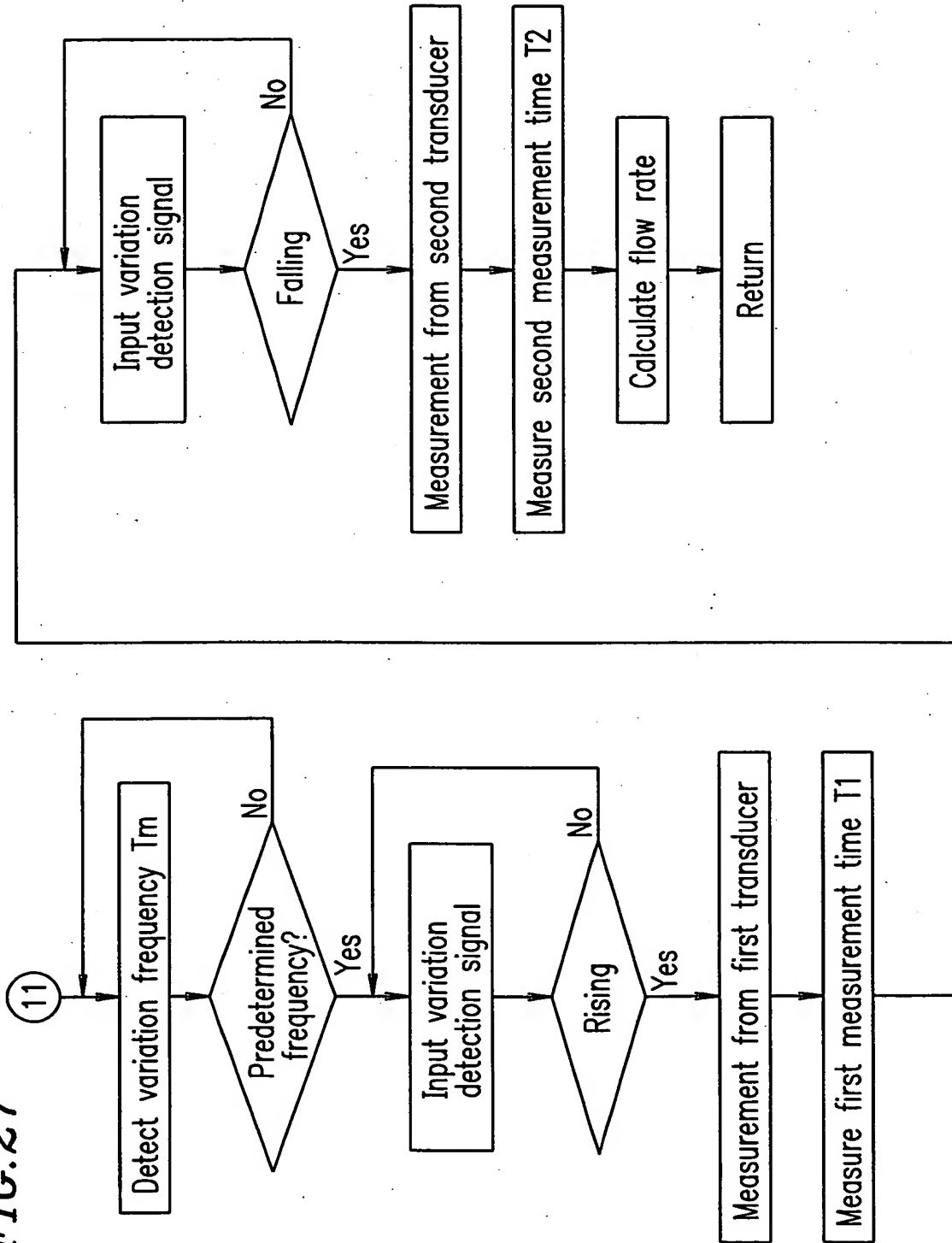
FIG. 25



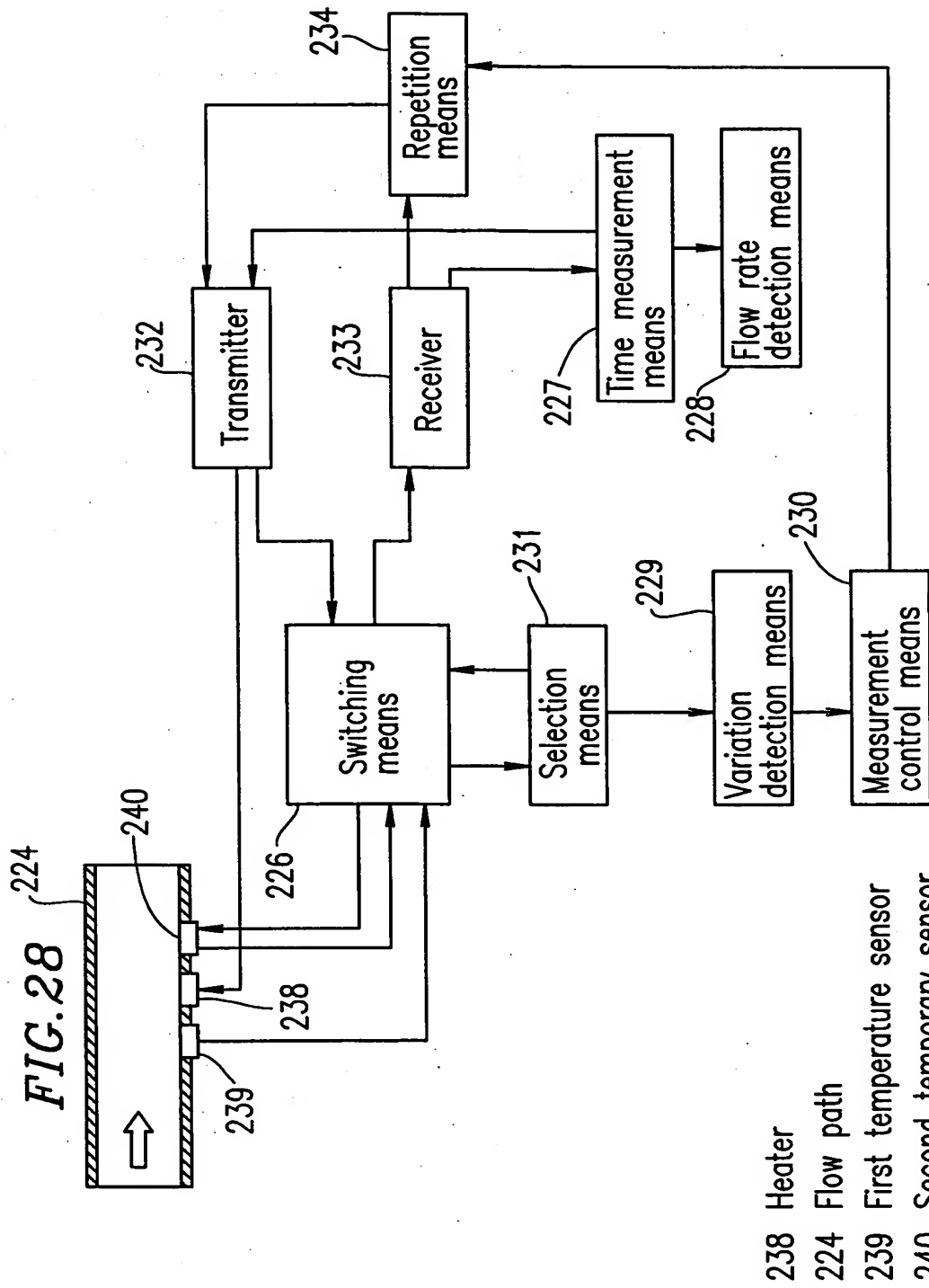


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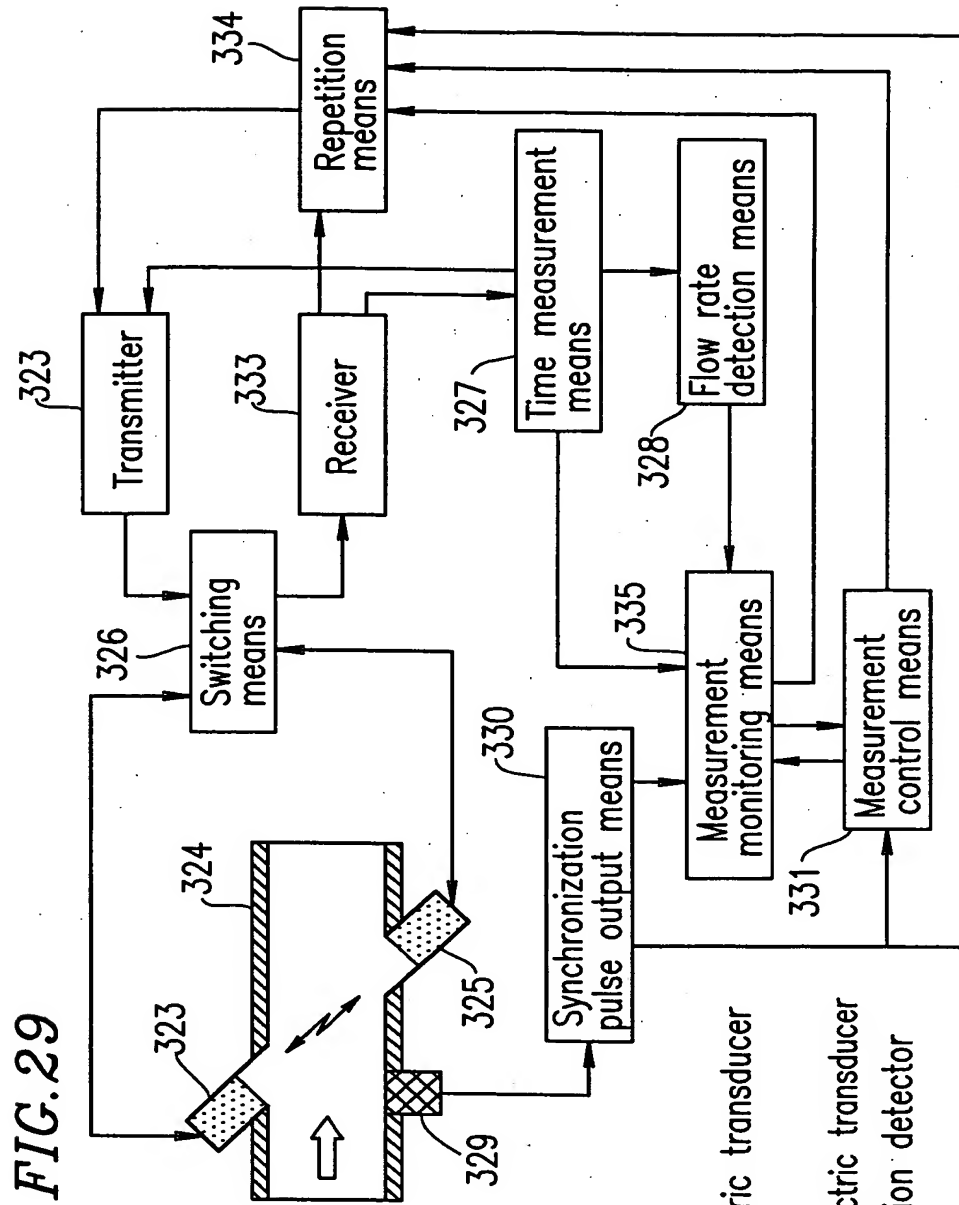
FIG. 27



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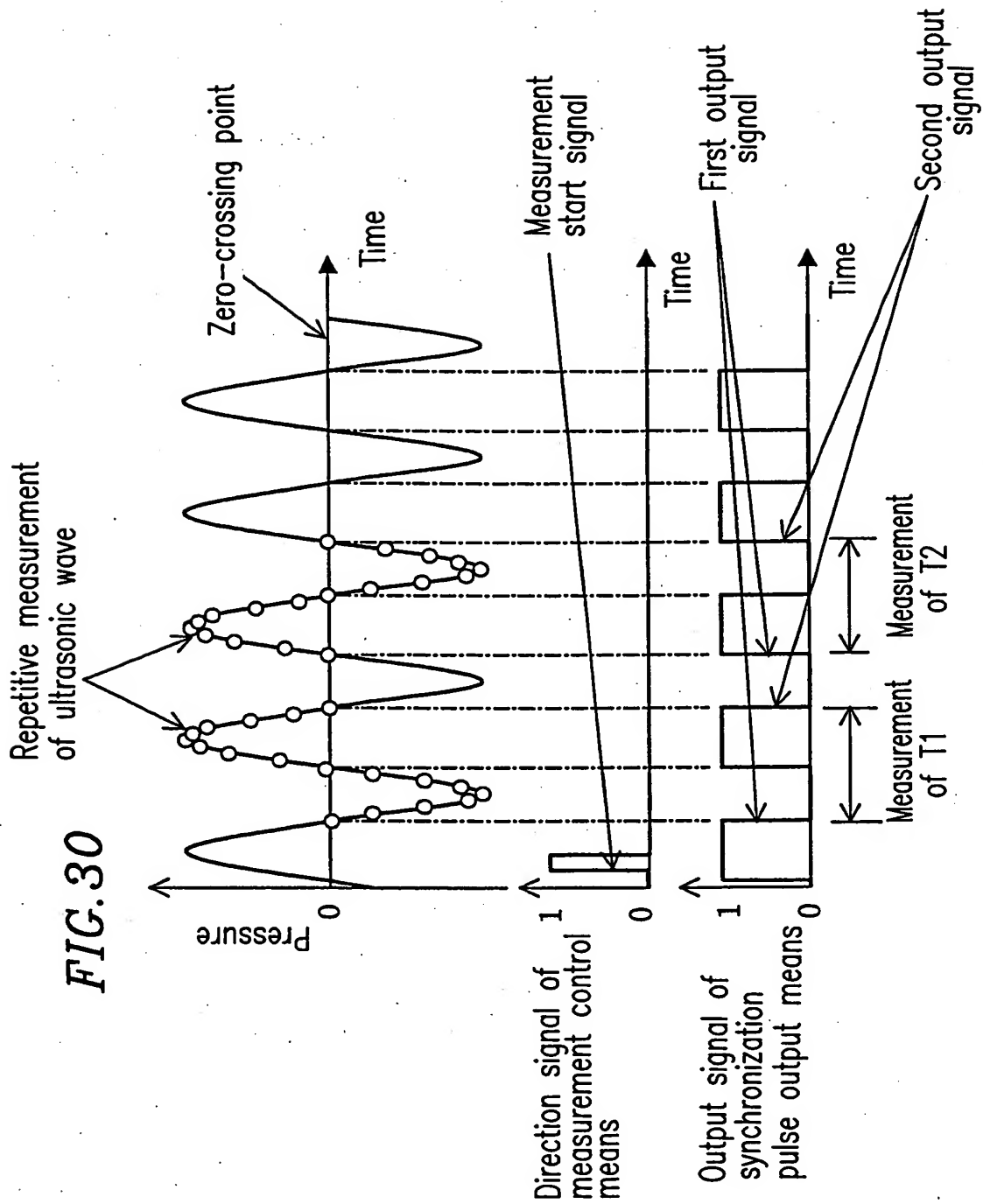


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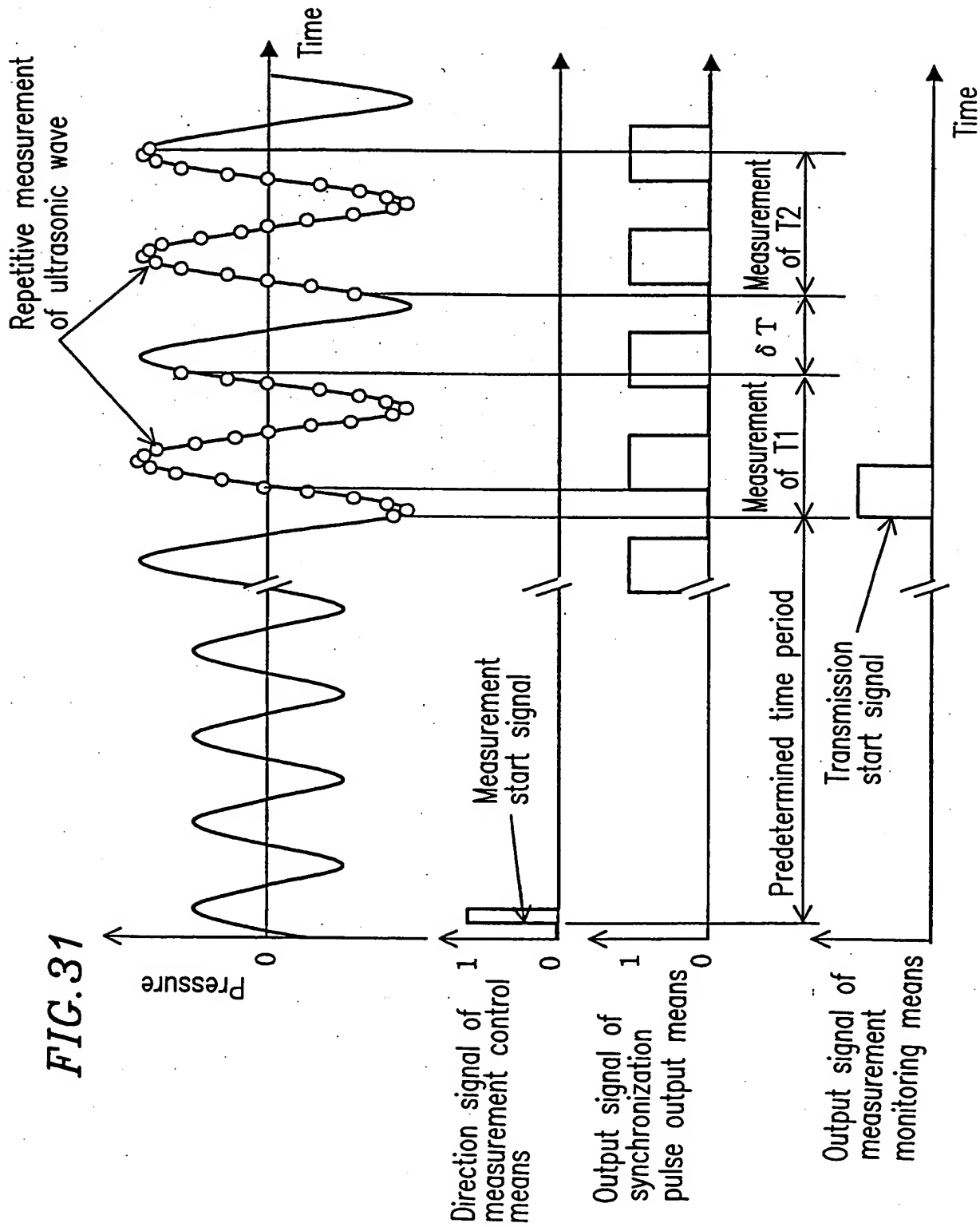


323 First piezoelectric transducer
 324 Flow path
 325 Second piezoelectric transducer
 329 Pressure variation detector

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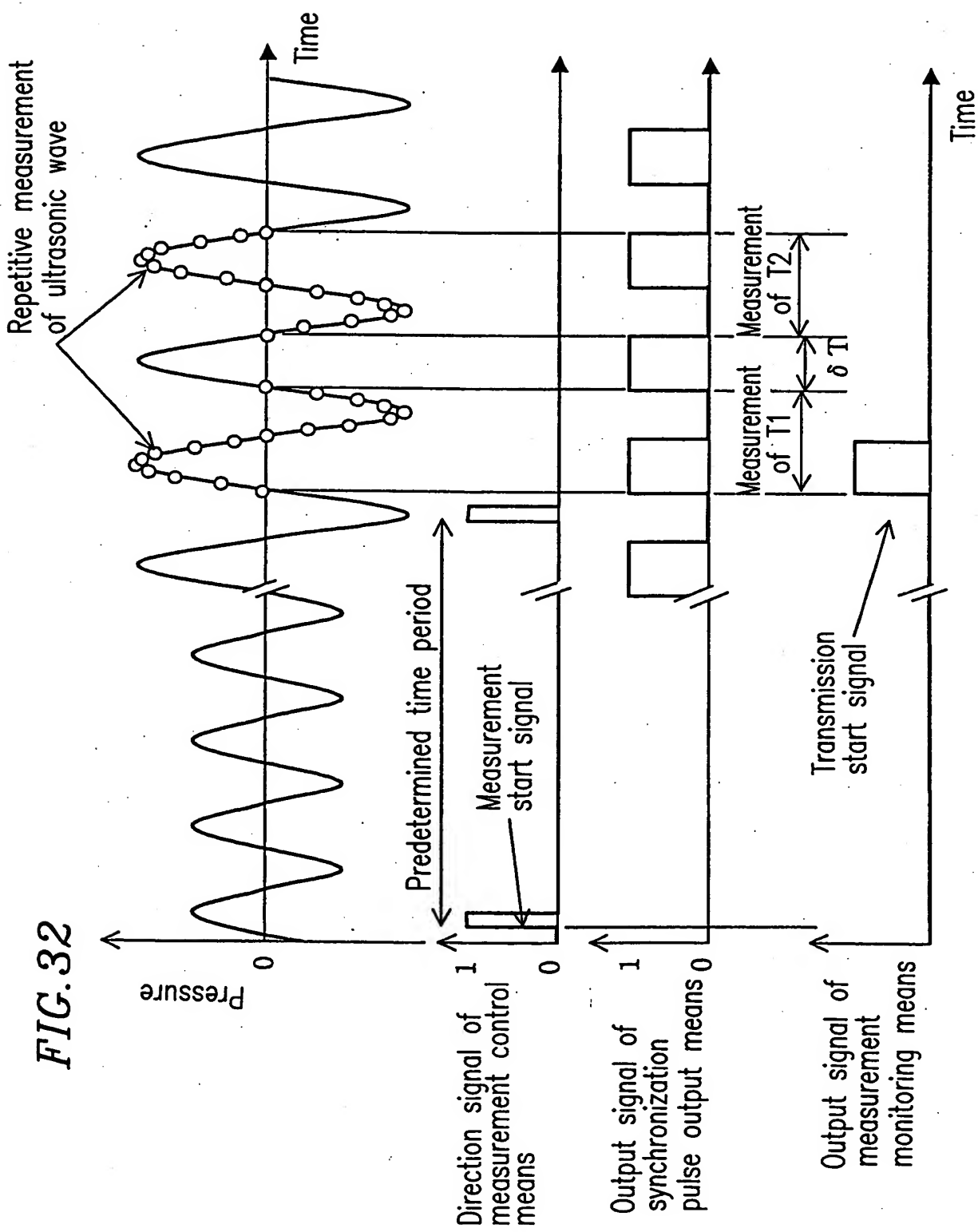
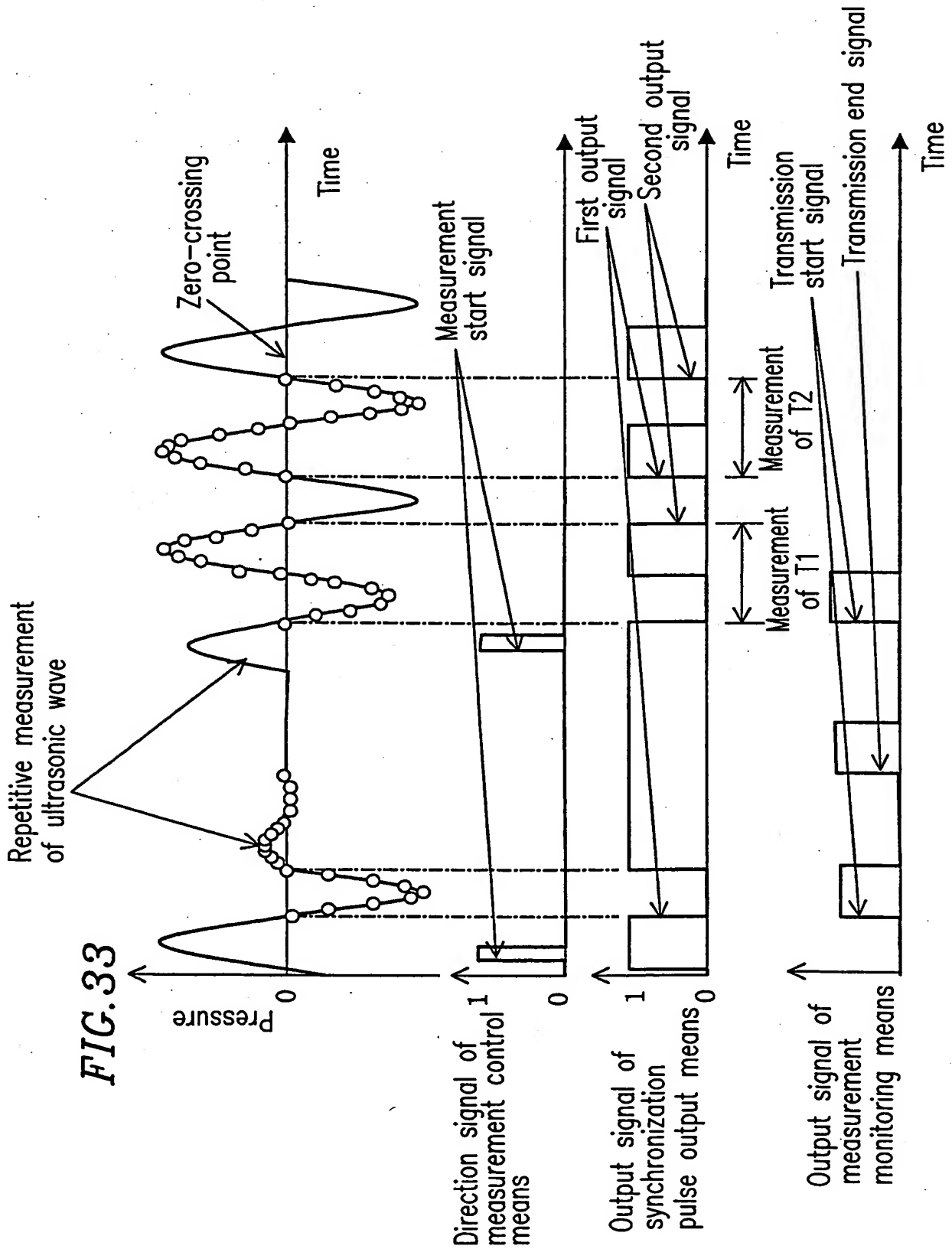
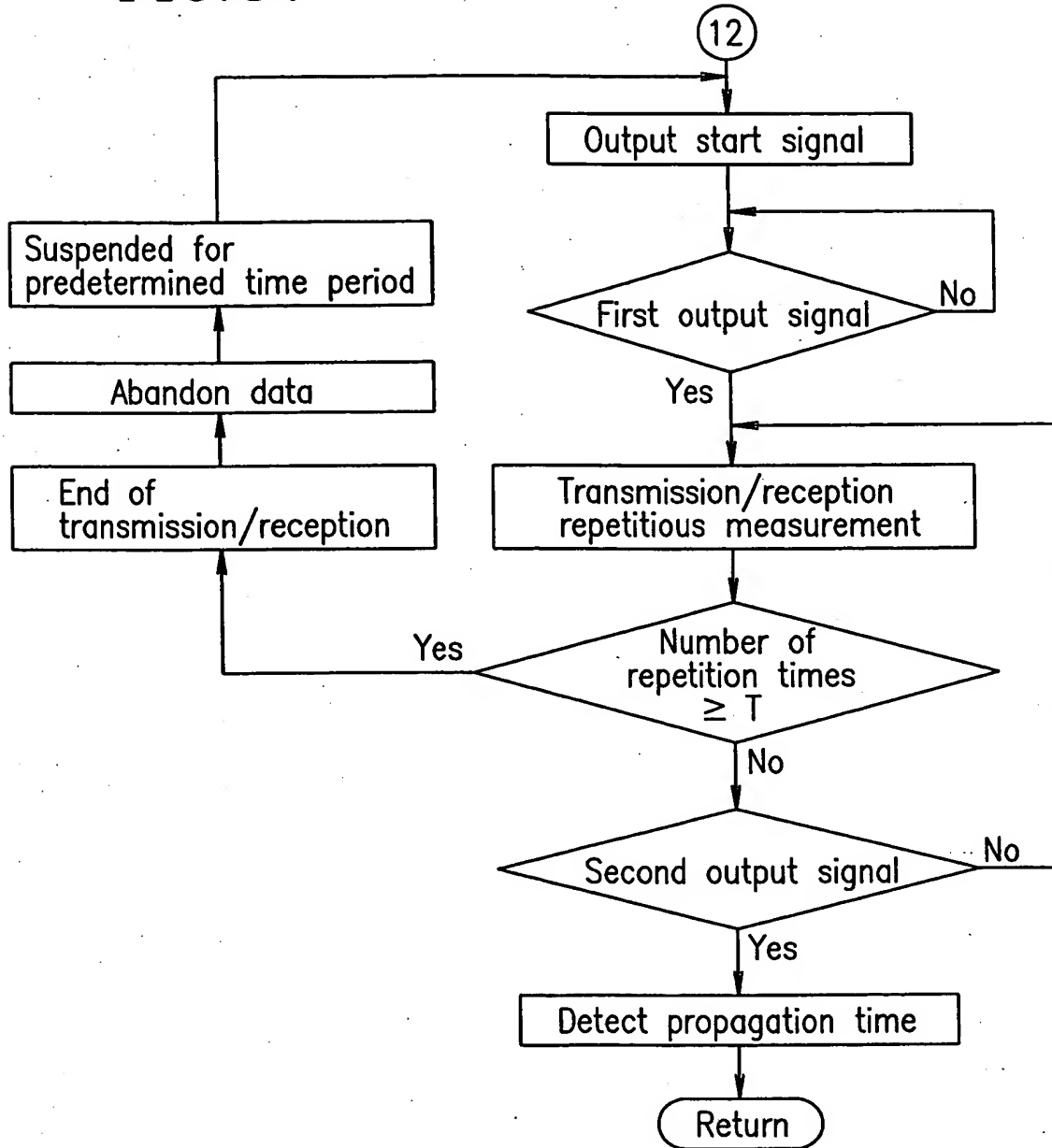


FIG. 32



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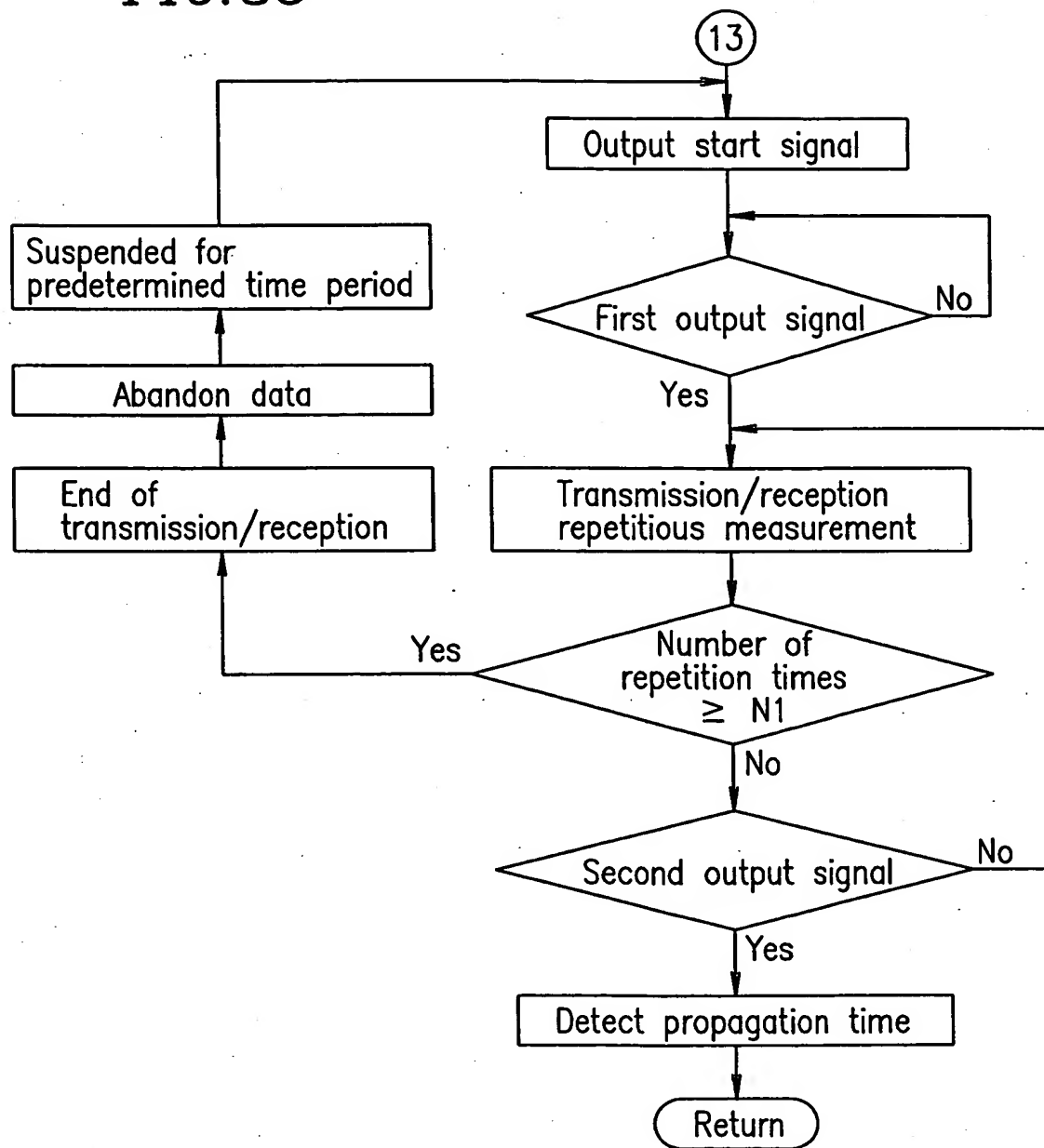
FIG. 34



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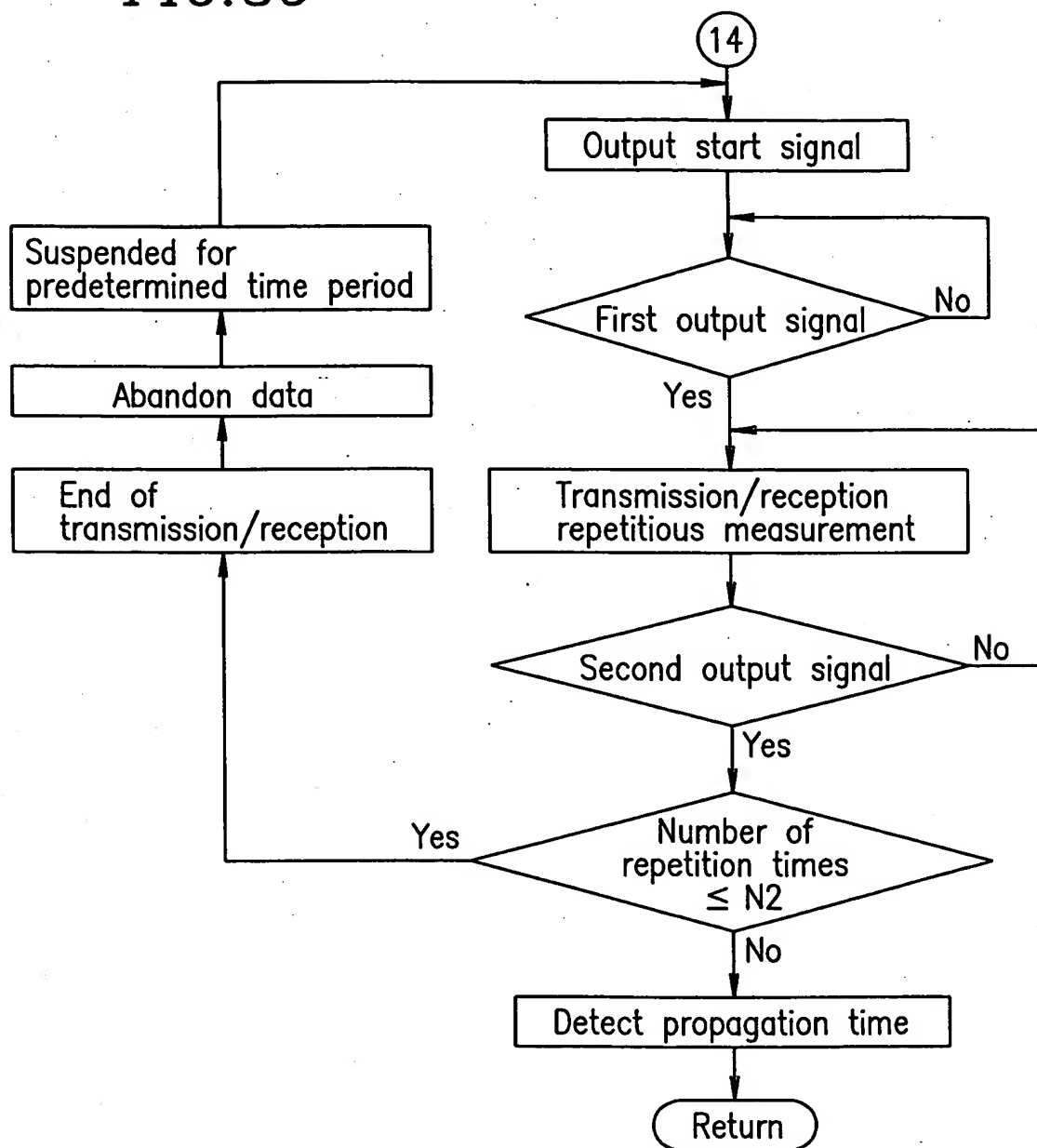
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FIG. 35



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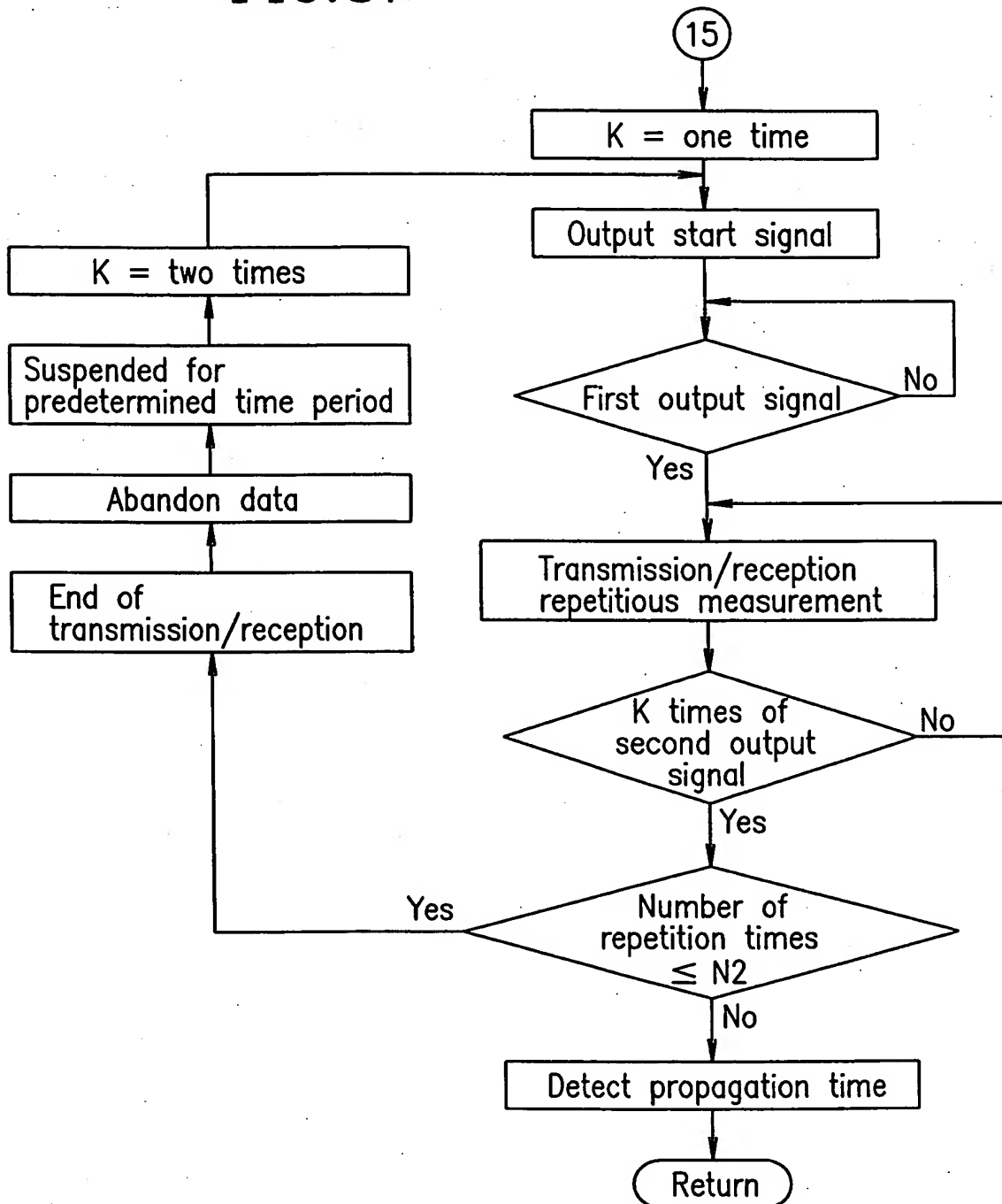
FIG. 36



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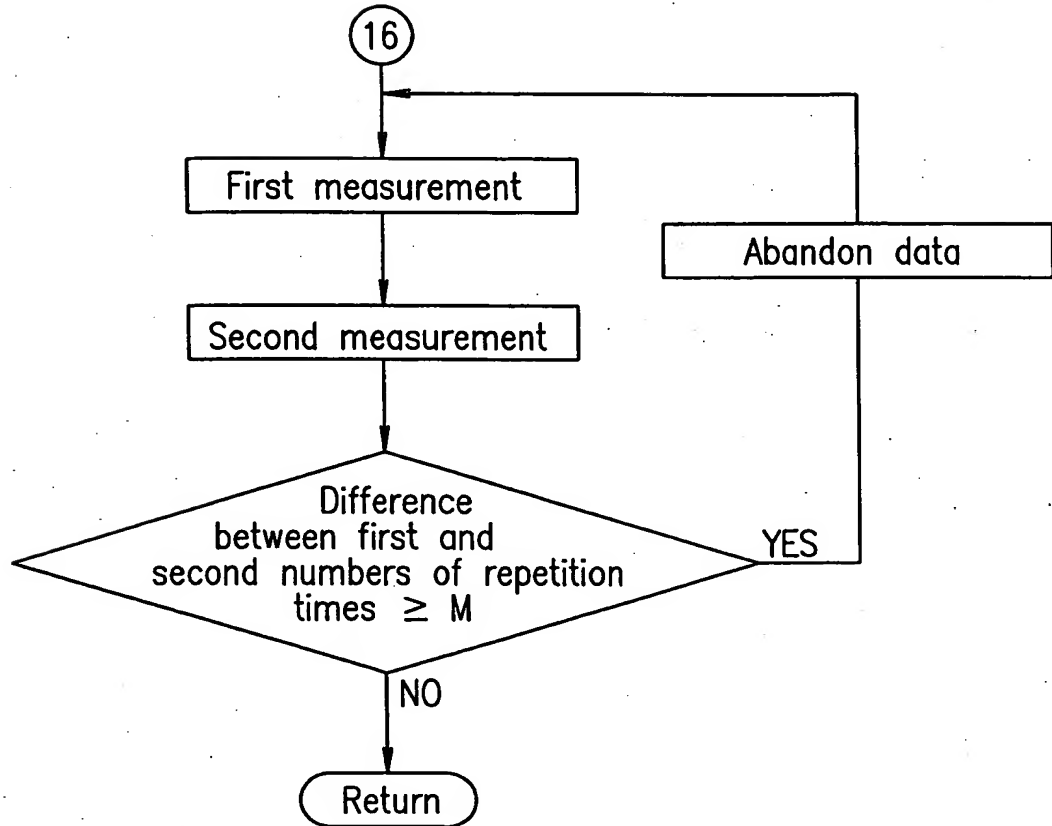
FIG. 37



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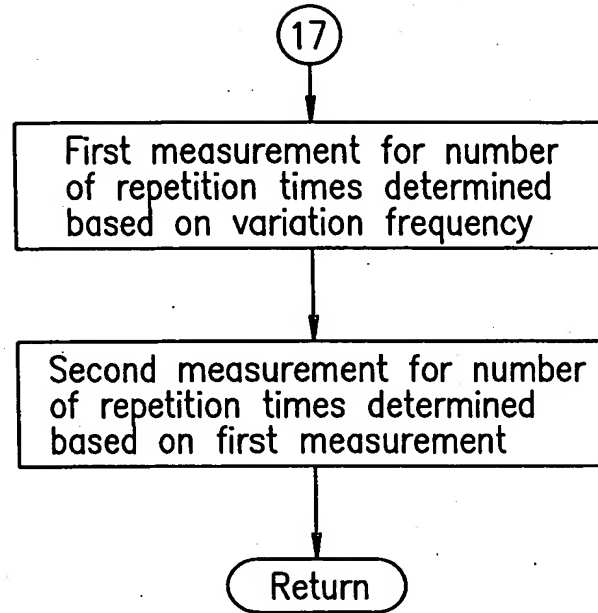
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FIG. 38



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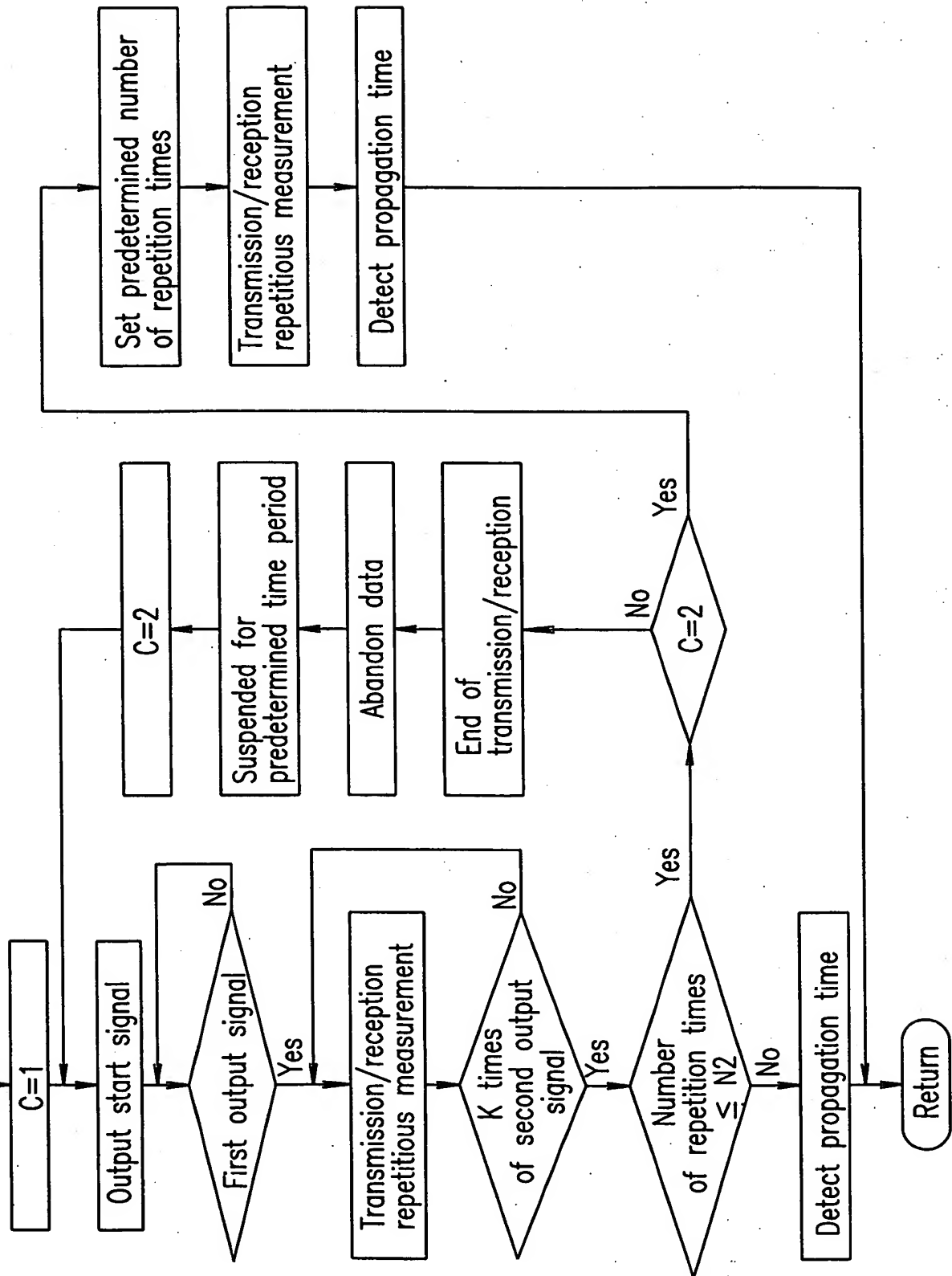
FIG. 39

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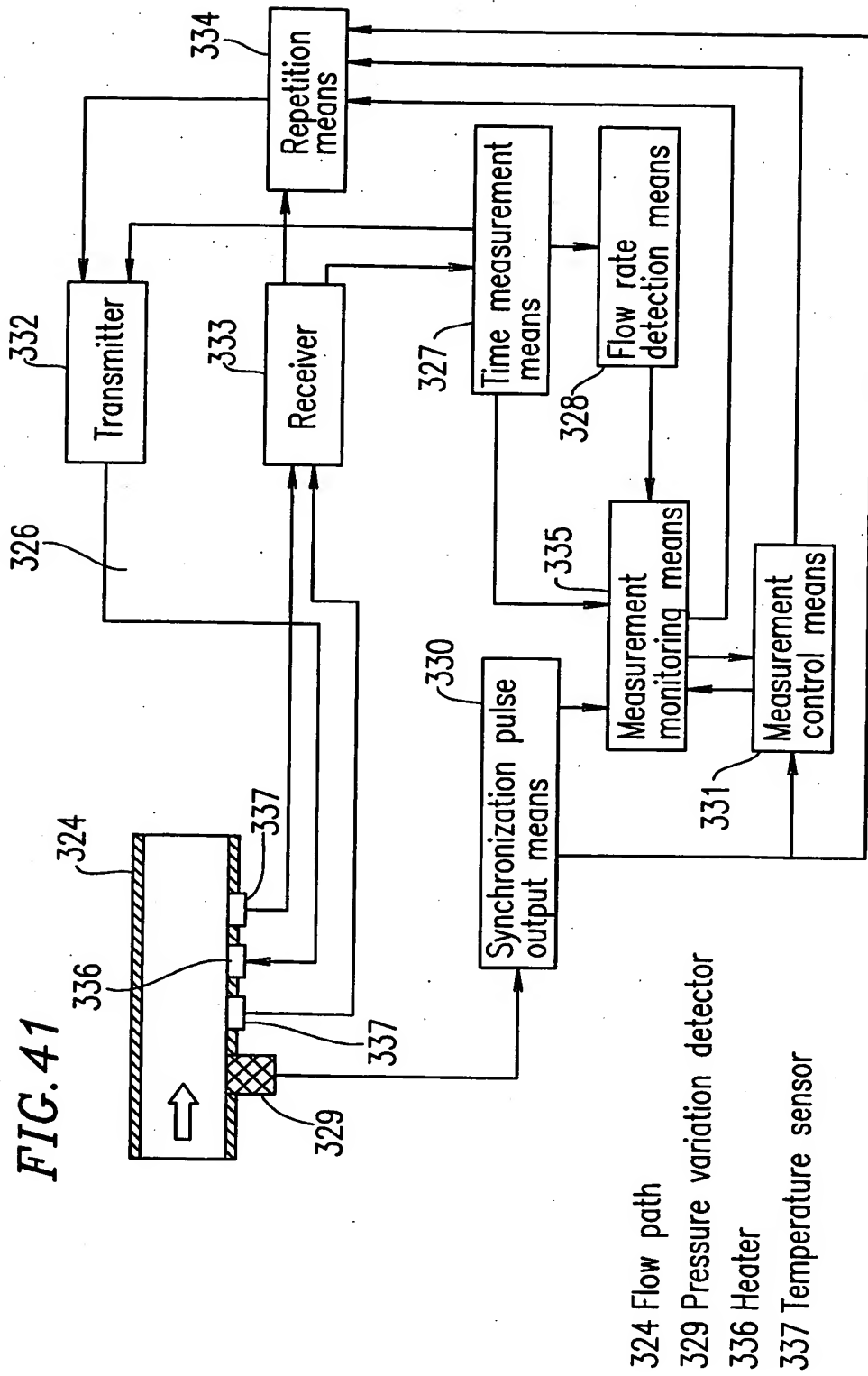
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FIG. 40

(18)

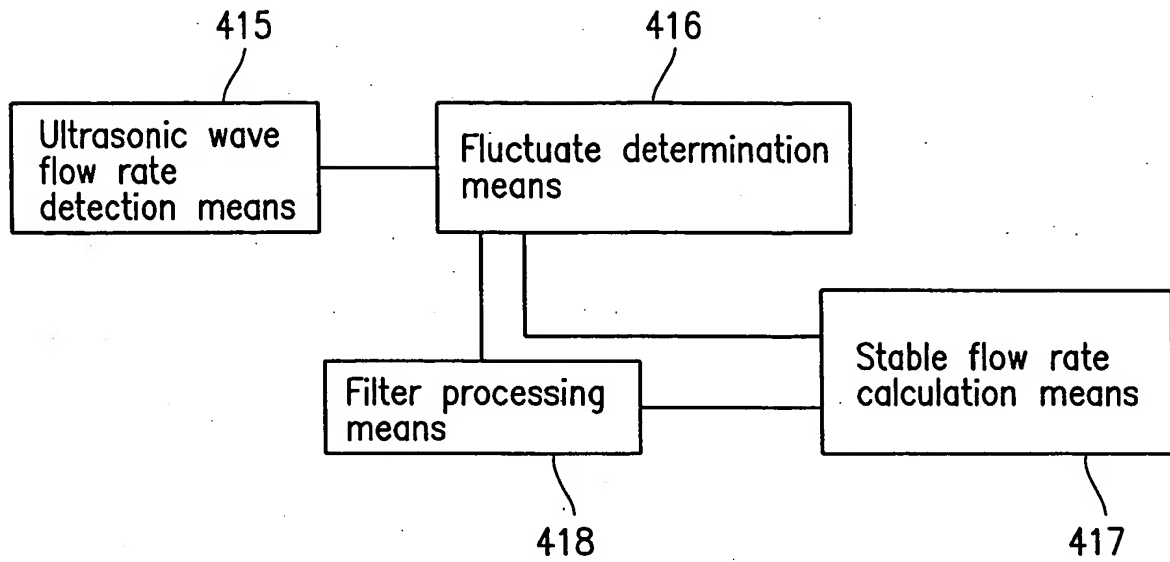


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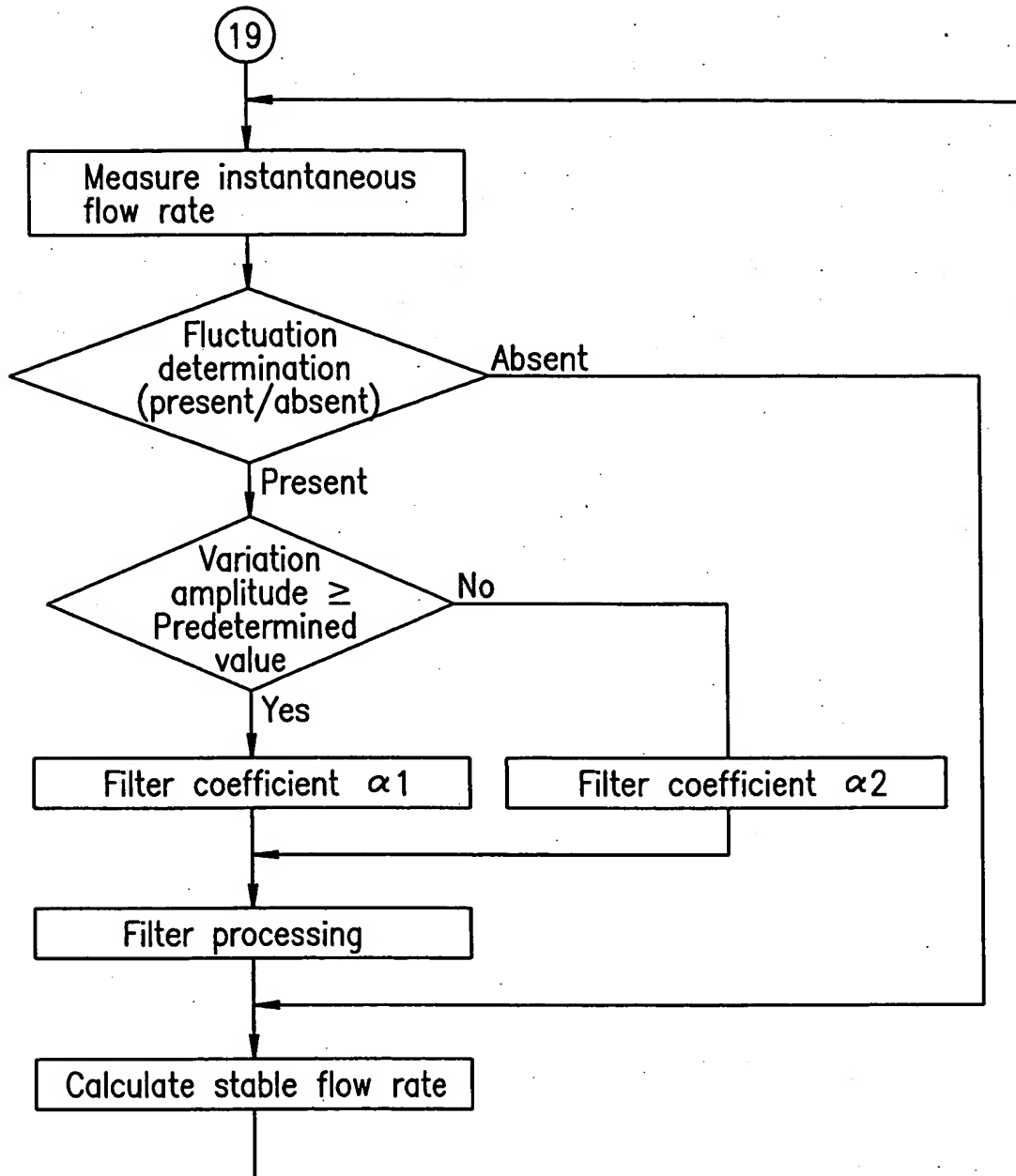
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FIG. 42



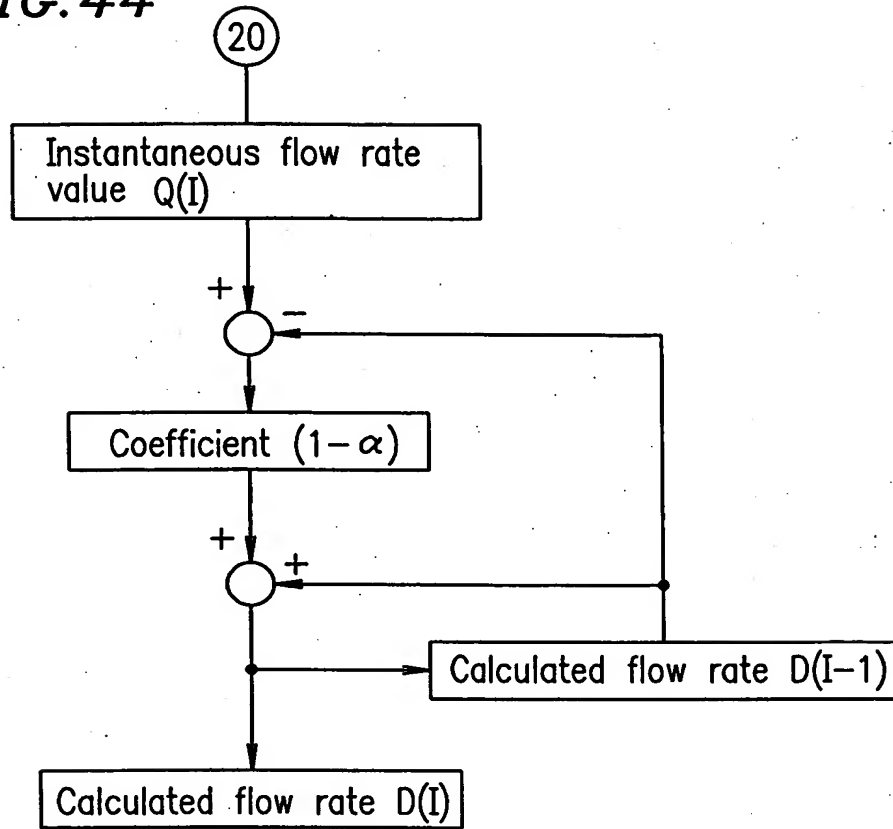
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FIG. 43



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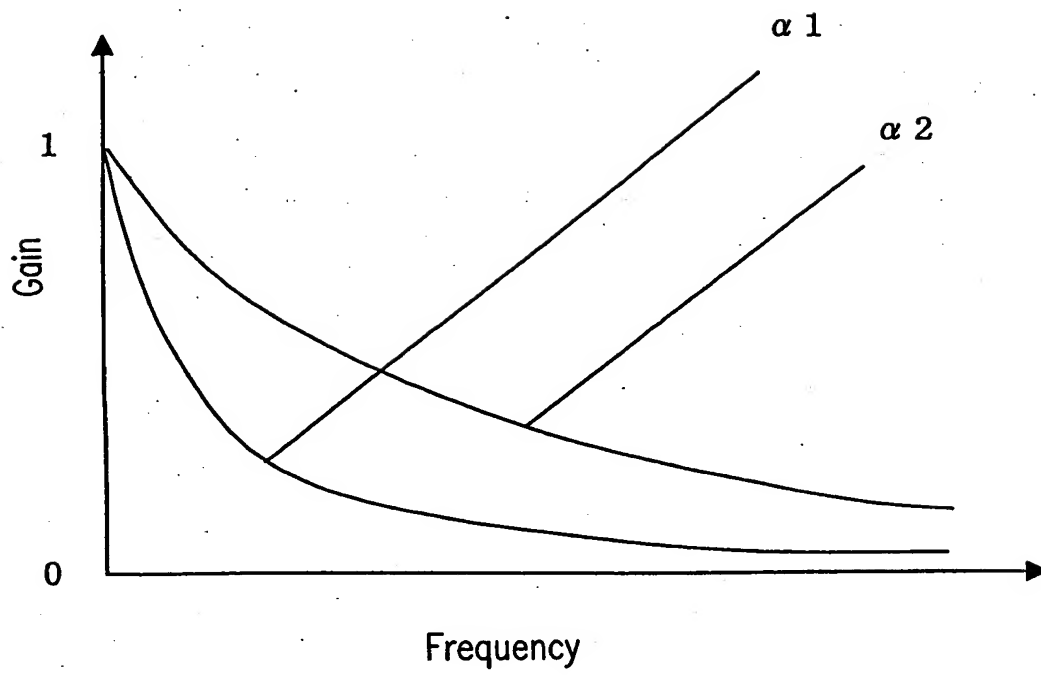
FIG. 44



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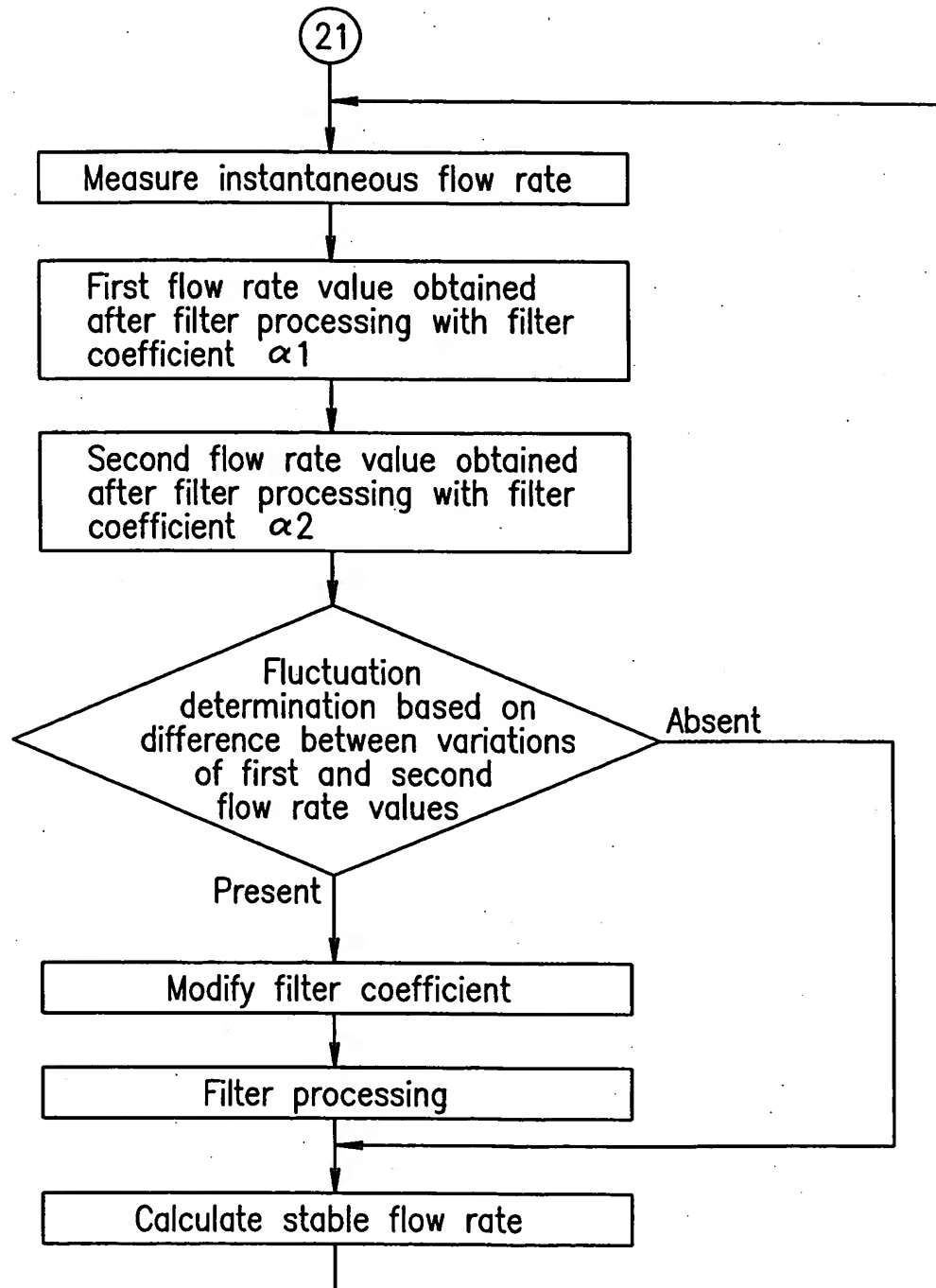
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FIG. 45



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FIG. 46



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FIG. 47

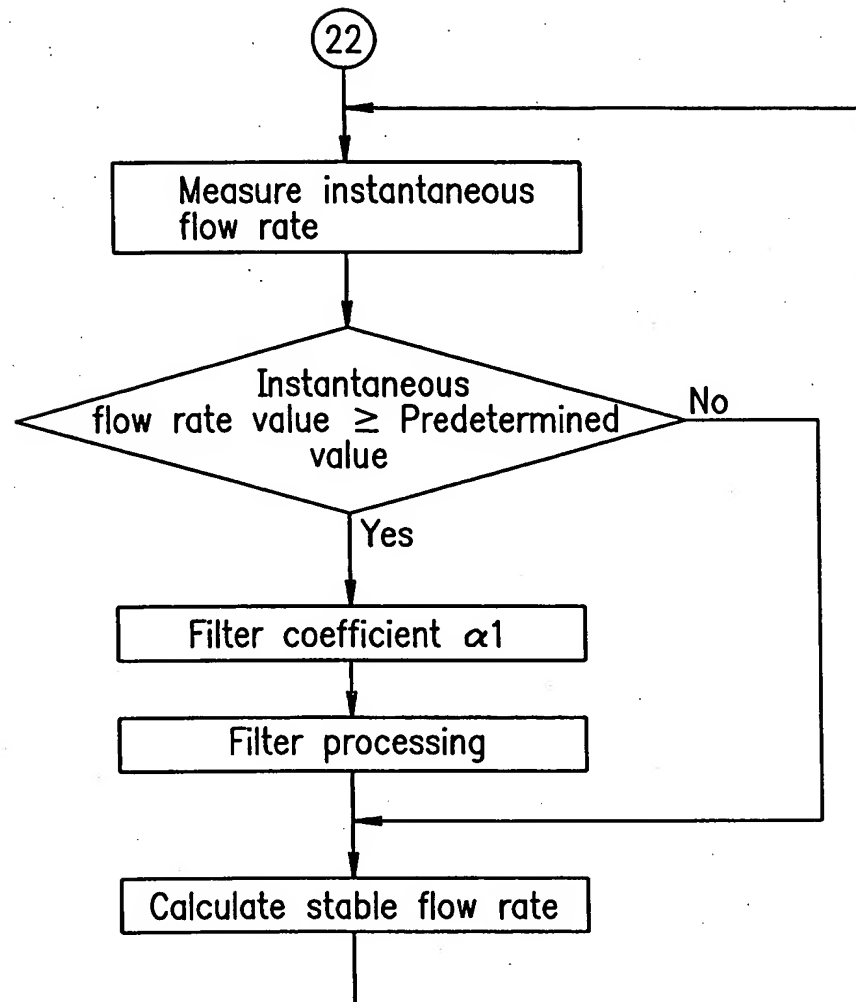
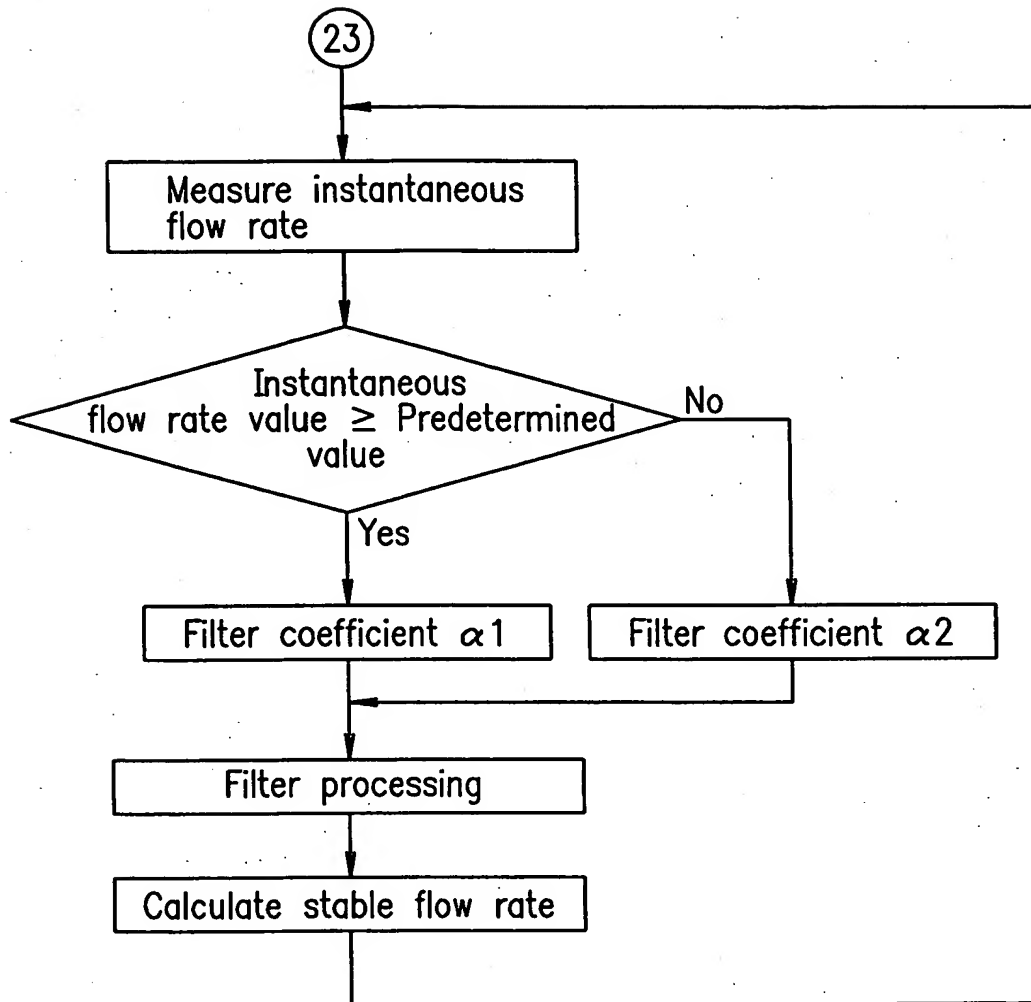


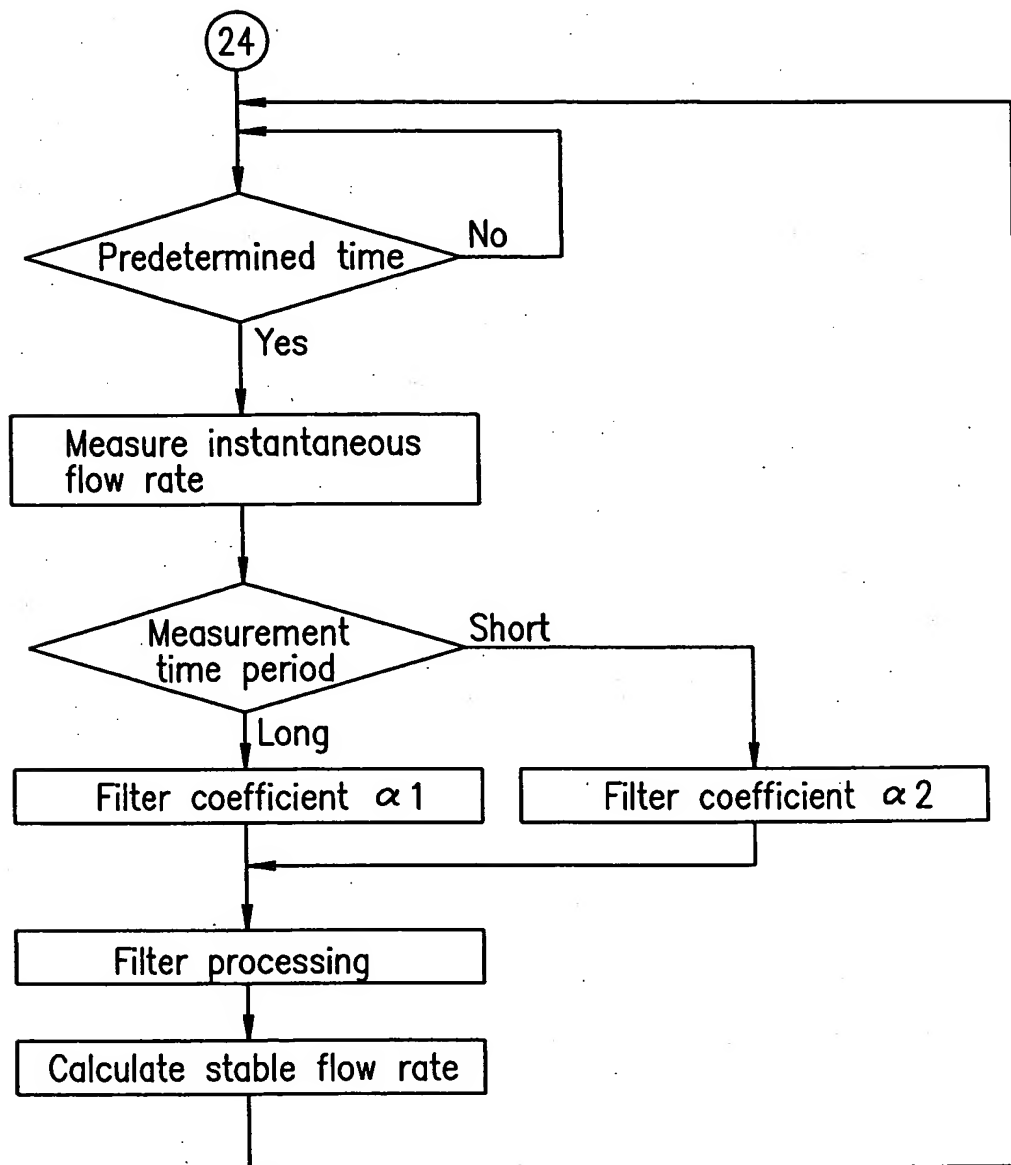
FIG. 48



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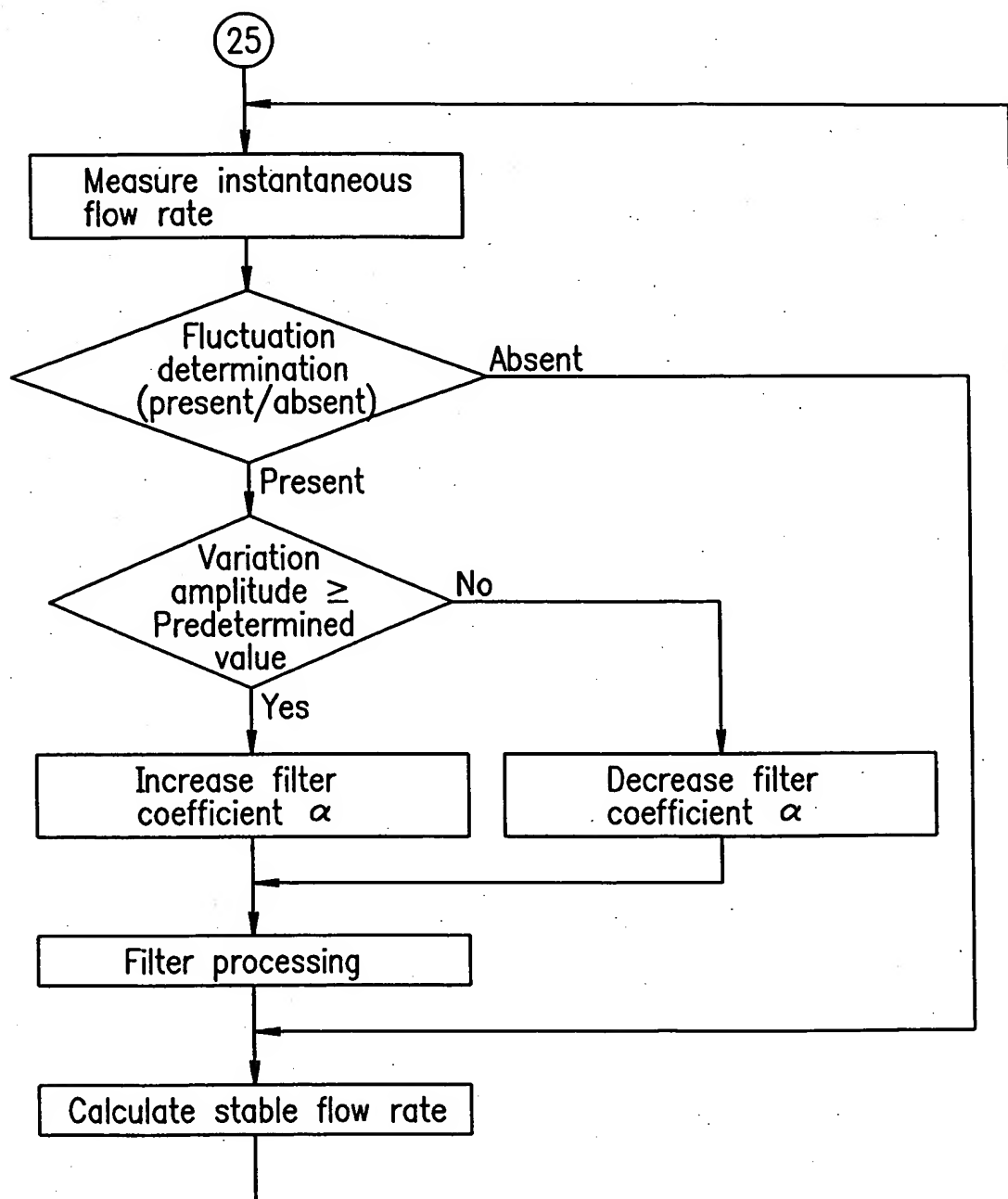
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FIG. 49

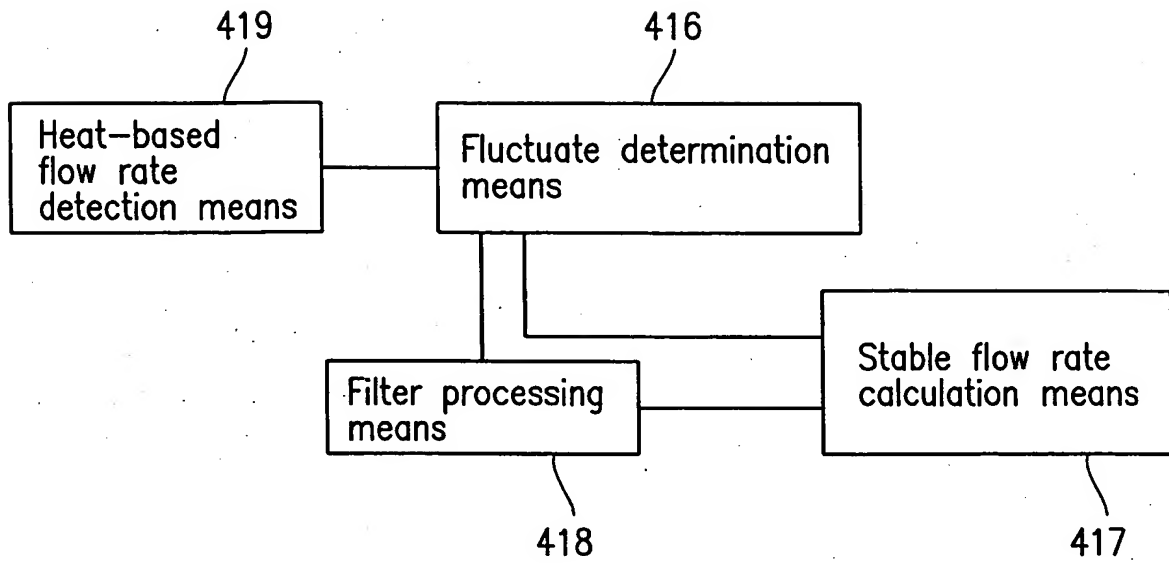


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FIG. 50

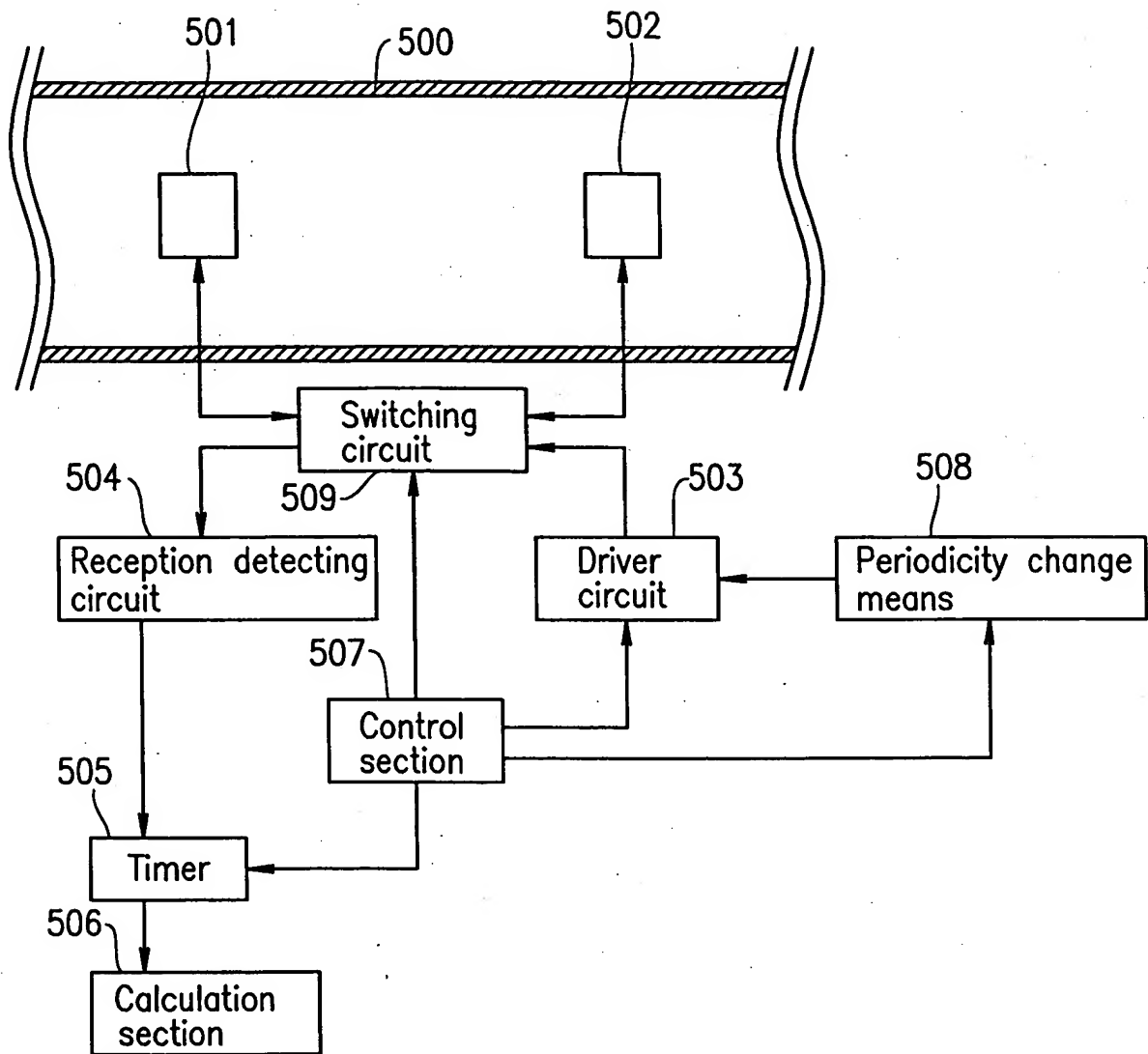


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FIG. 51

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FIG. 52



- 500 Flow rate measurement section
- 501,502 Ultrasonic wave transducer
- 503 Driver circuit
- 504 Reception detecting circuit
- 505 Timer
- 507 Control section
- 506 Calculation section
- 508 Periodicity change means

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FIG. 53

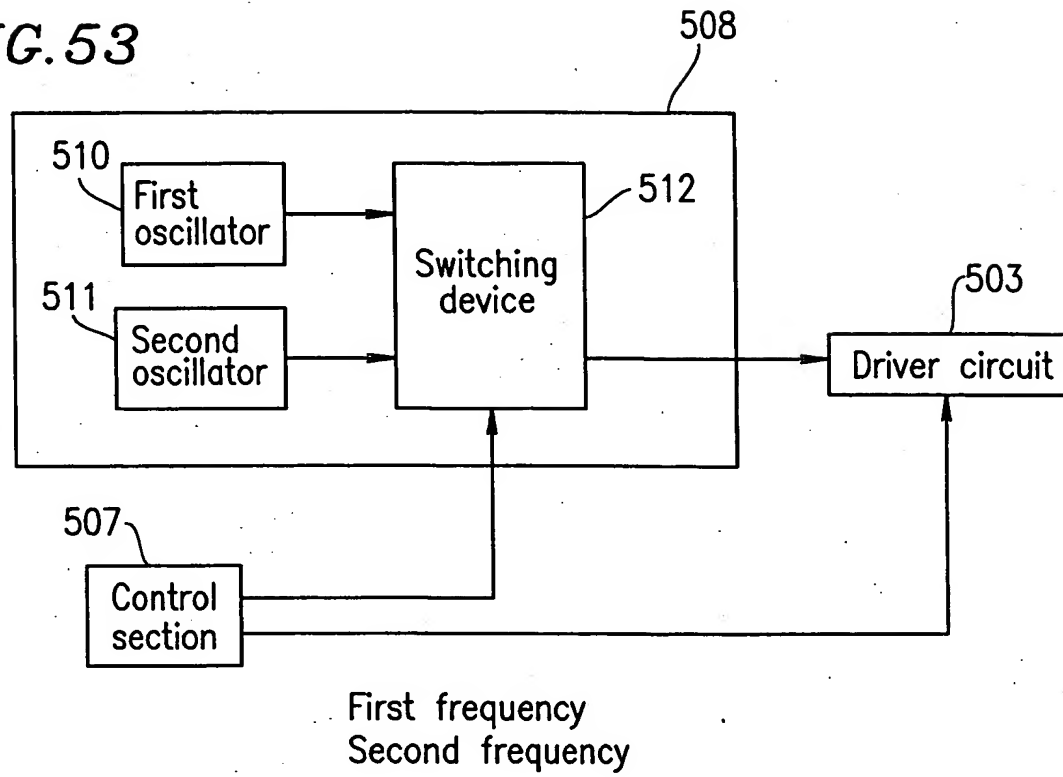
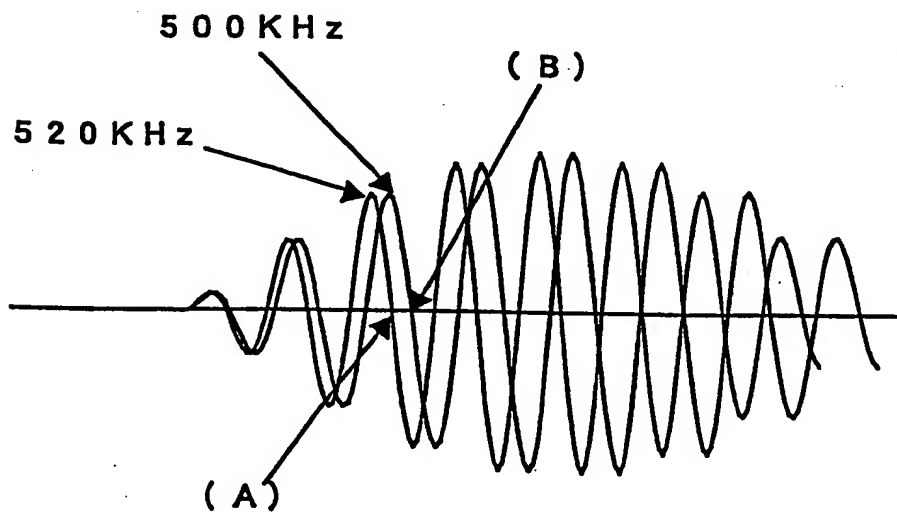


FIG. 54



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FIG. 55

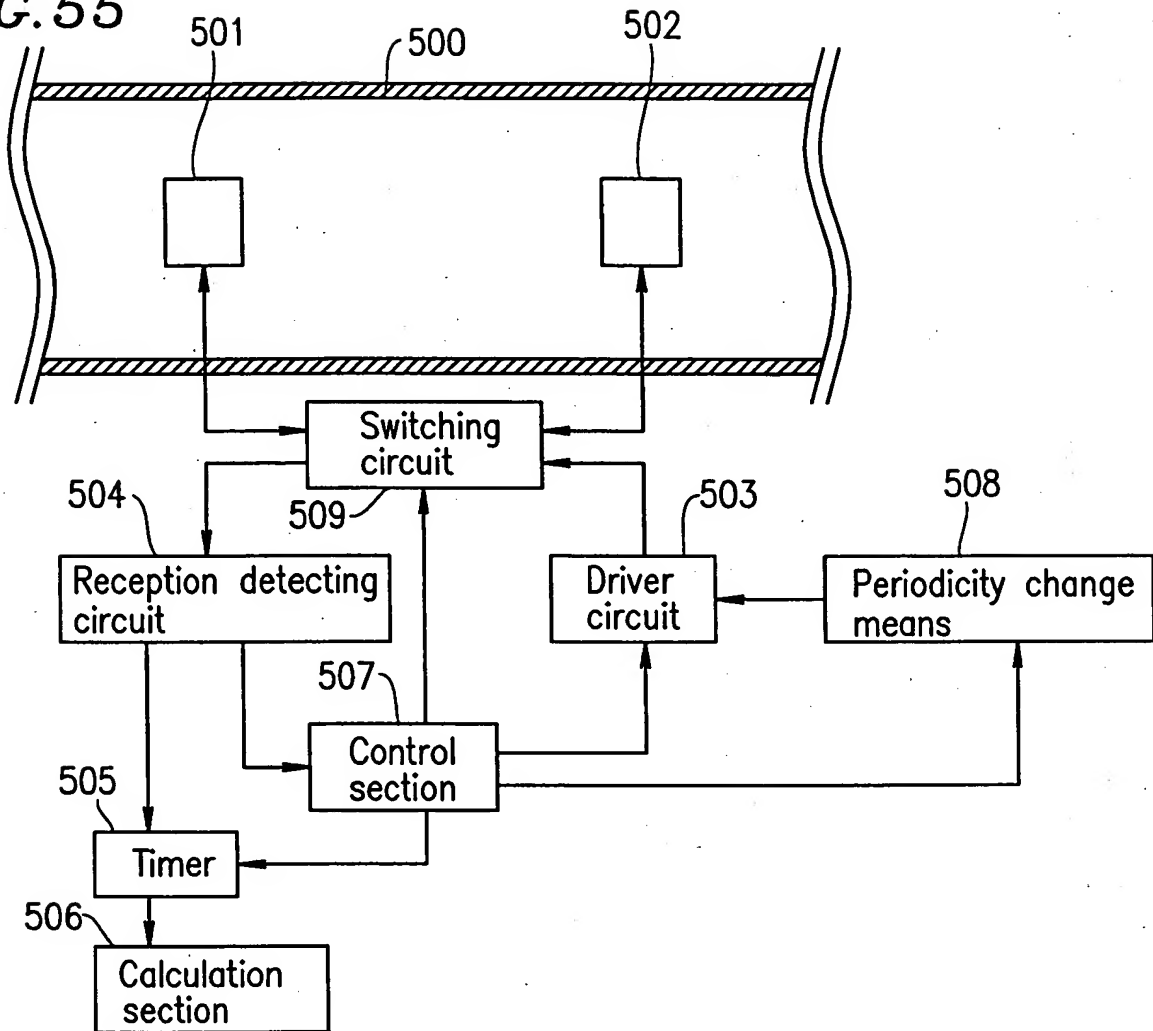
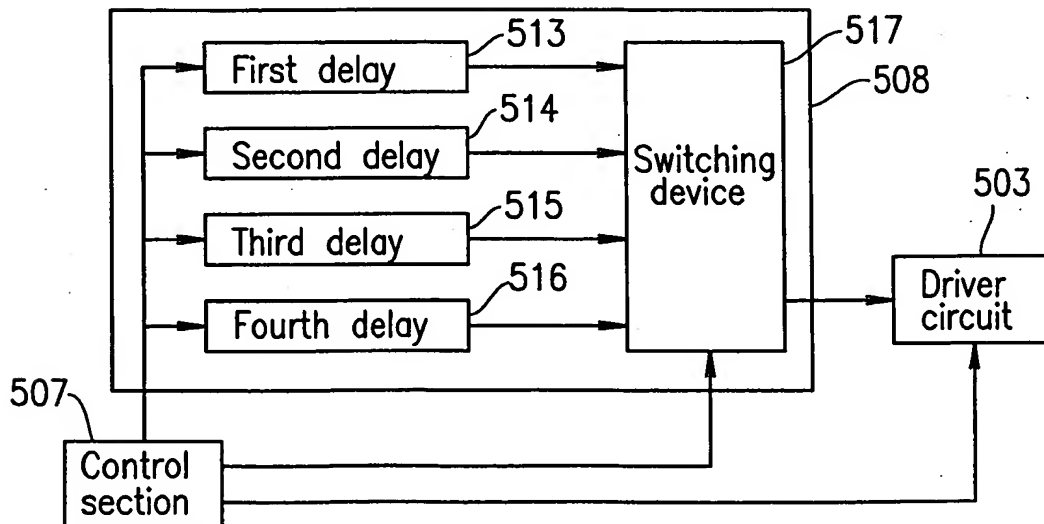


FIG. 56



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FIG. 57A

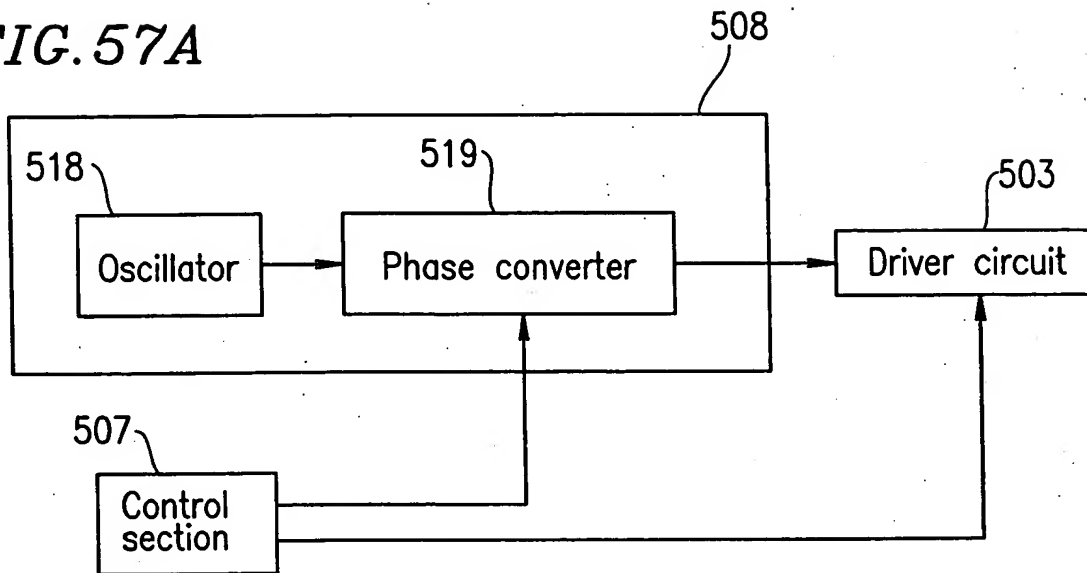
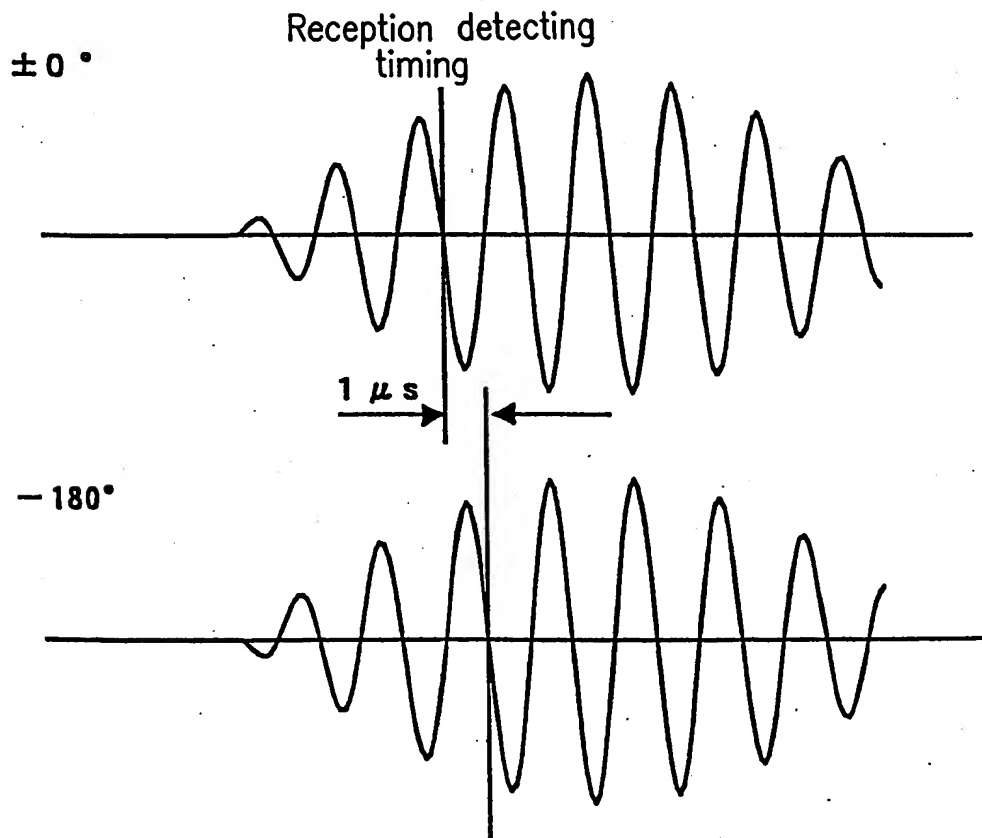


FIG. 57B



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FIG. 58

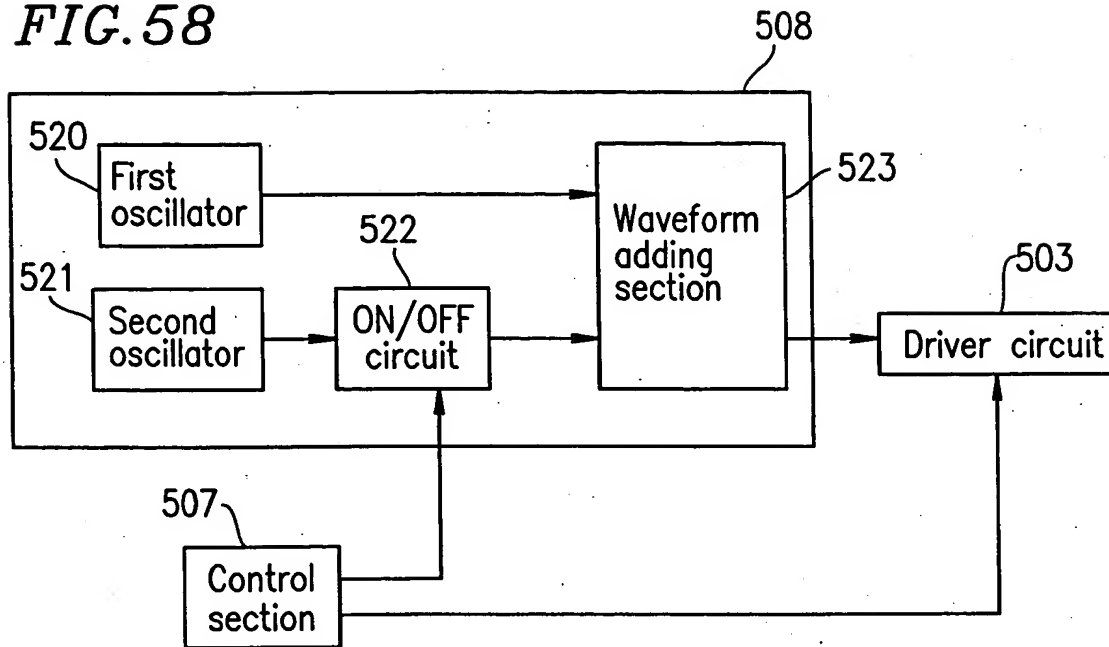
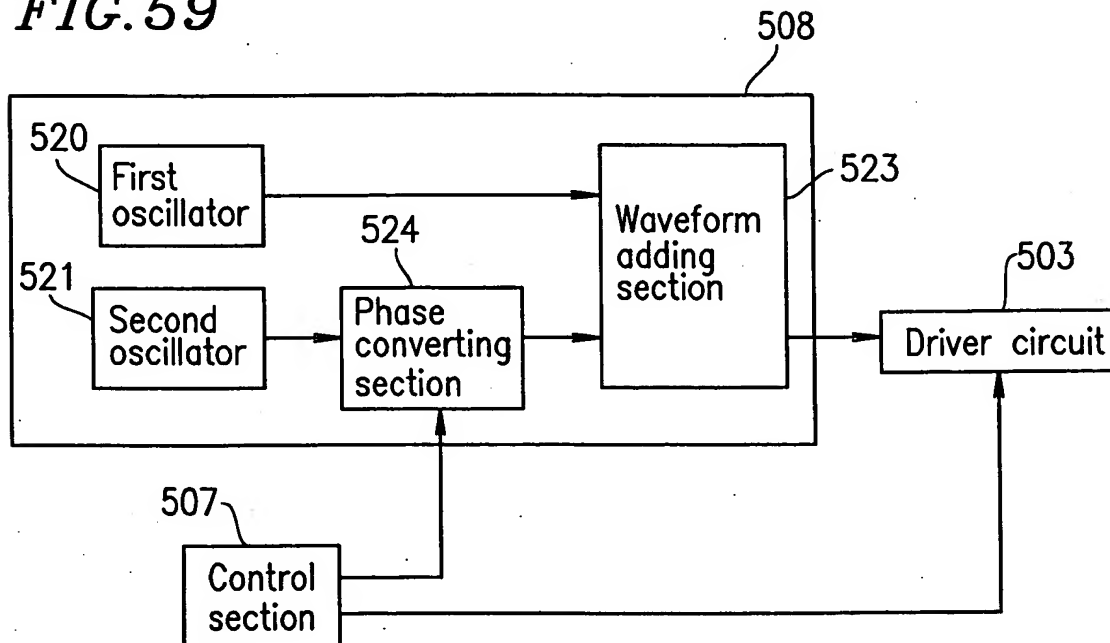
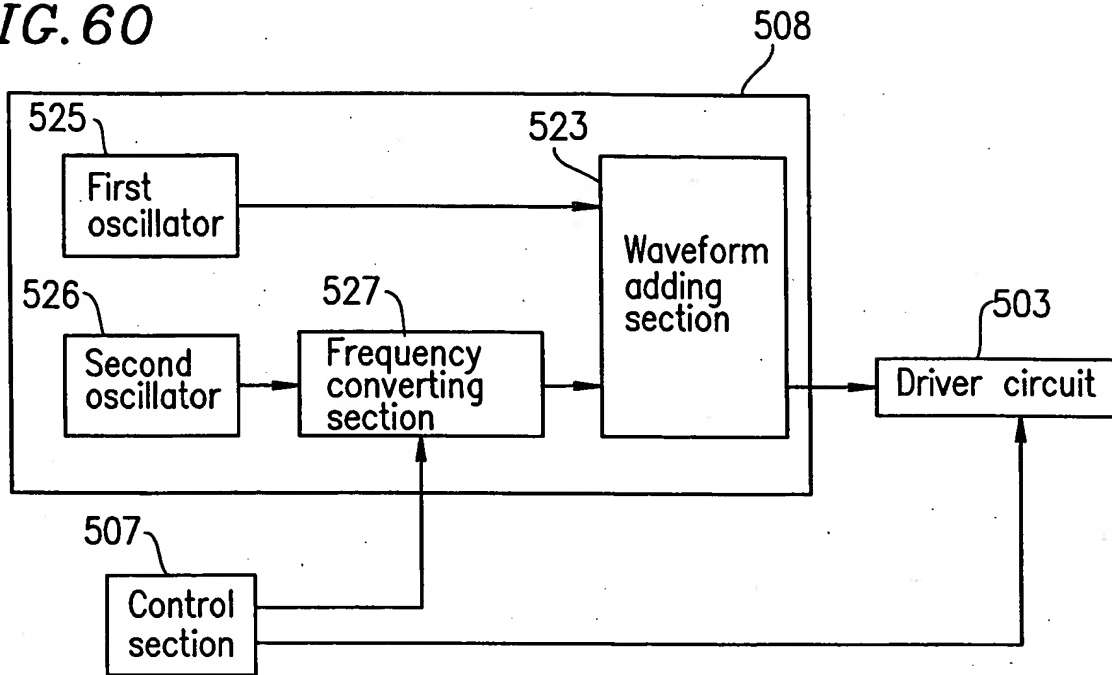


FIG. 59



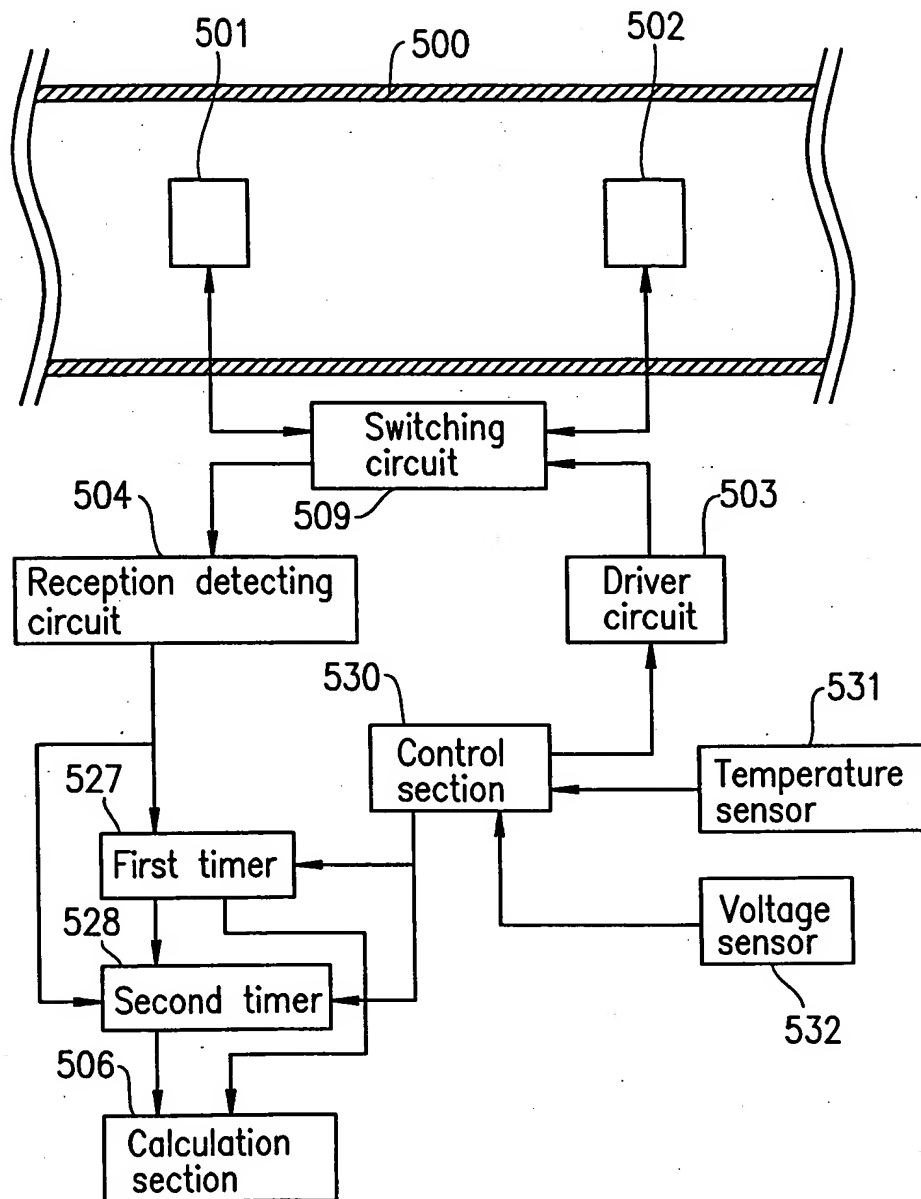
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FIG. 60



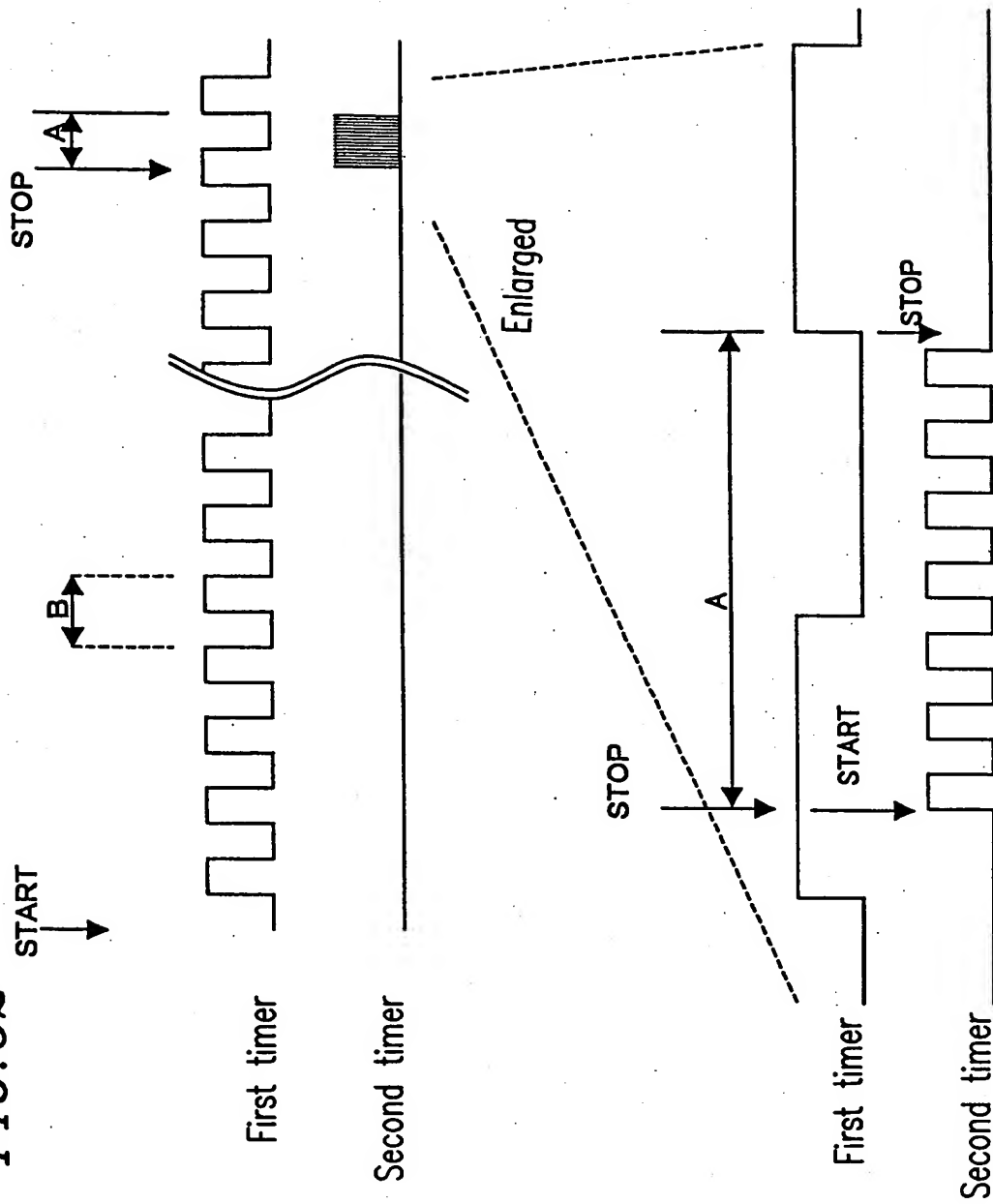
10045418.032902

FIG. 61



- 527 First timer
- 528 Second timer
- 531 Temperature sensor
- 532 Voltage sensor

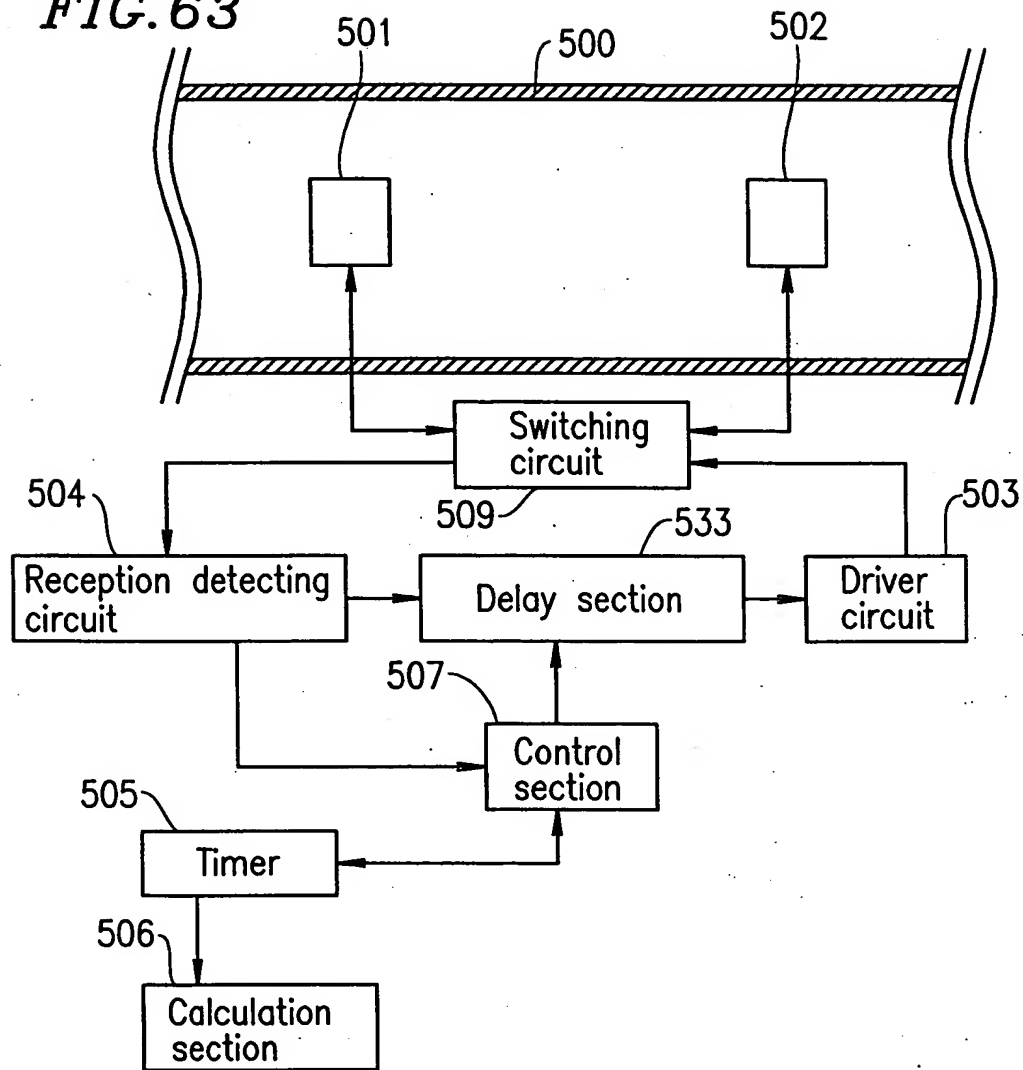
FIG. 62



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FIG. 63



533 Periodicity stabilization means Delay section

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FIG. 64

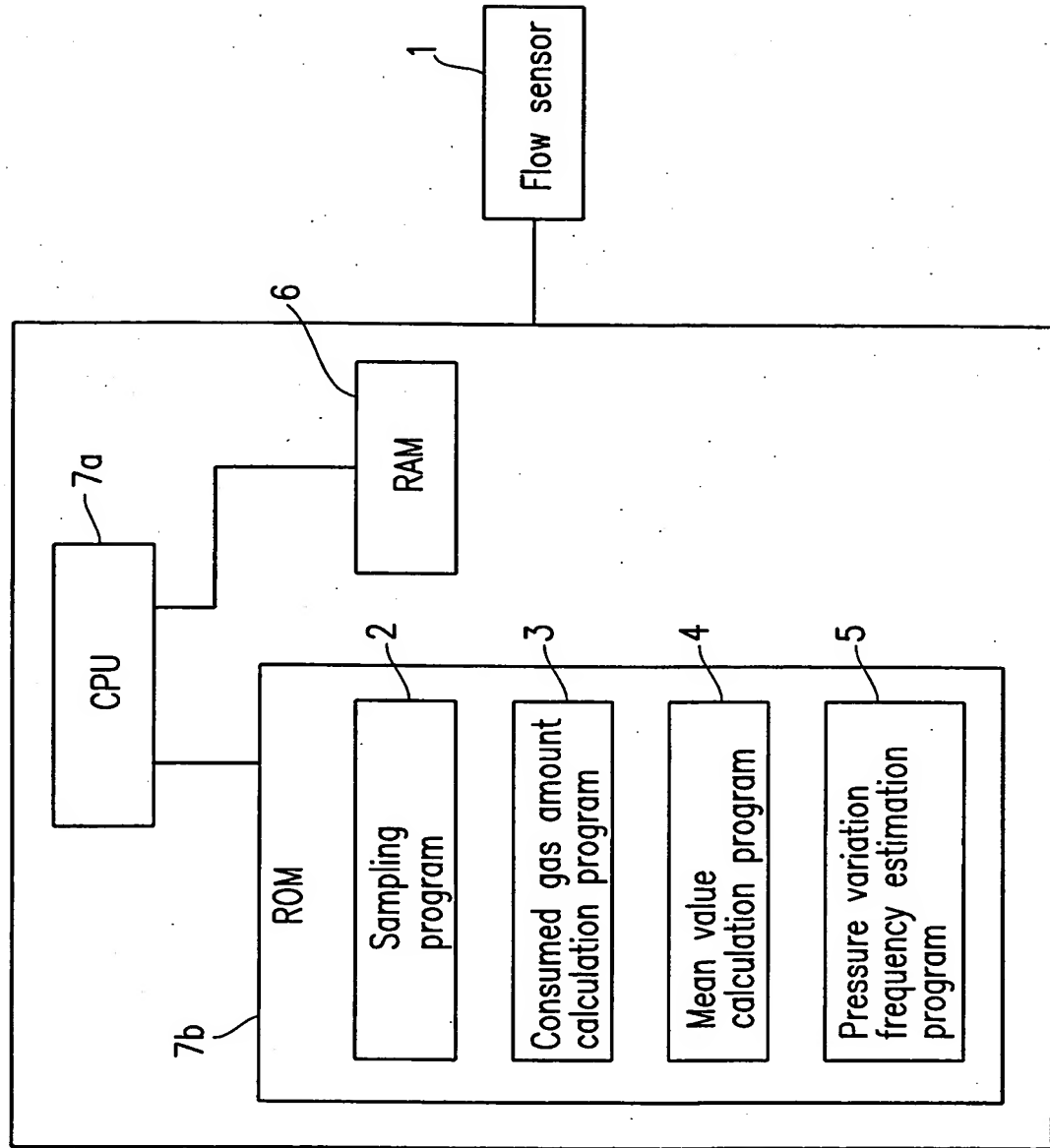
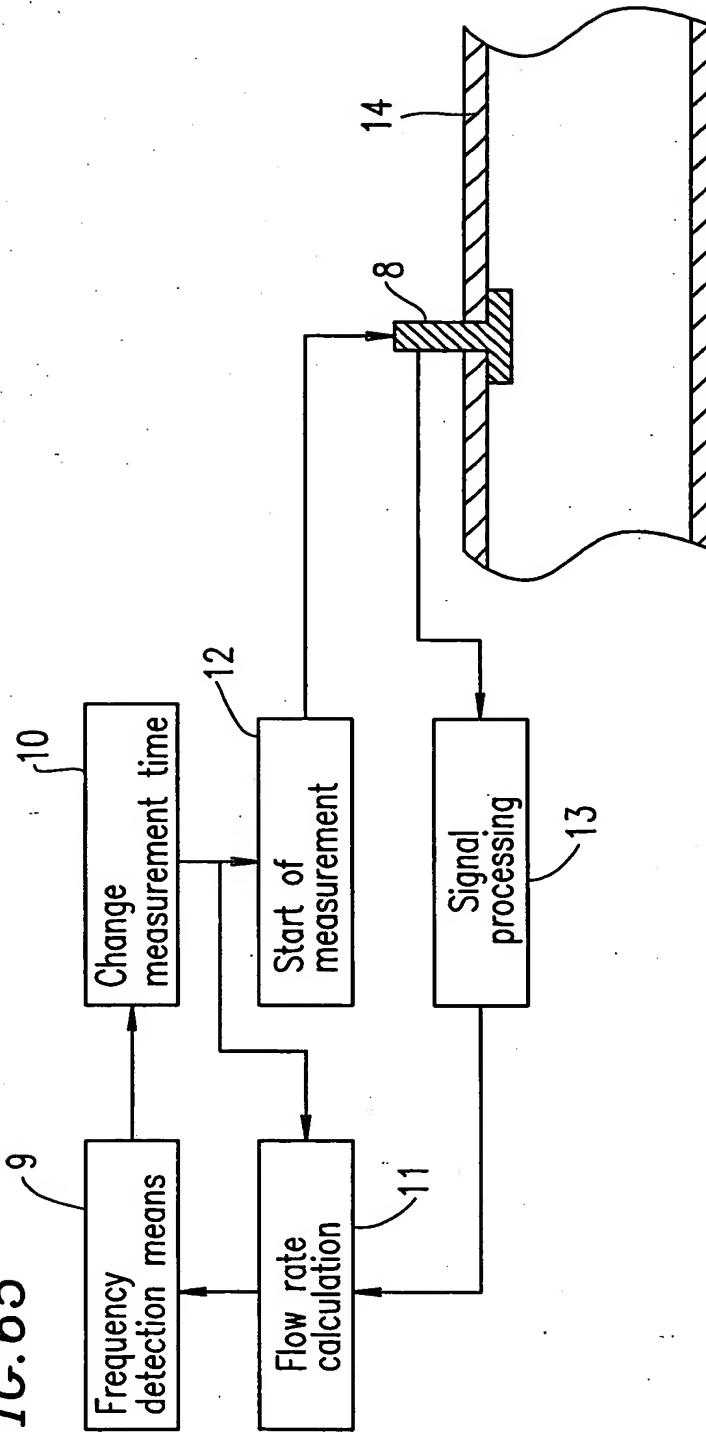
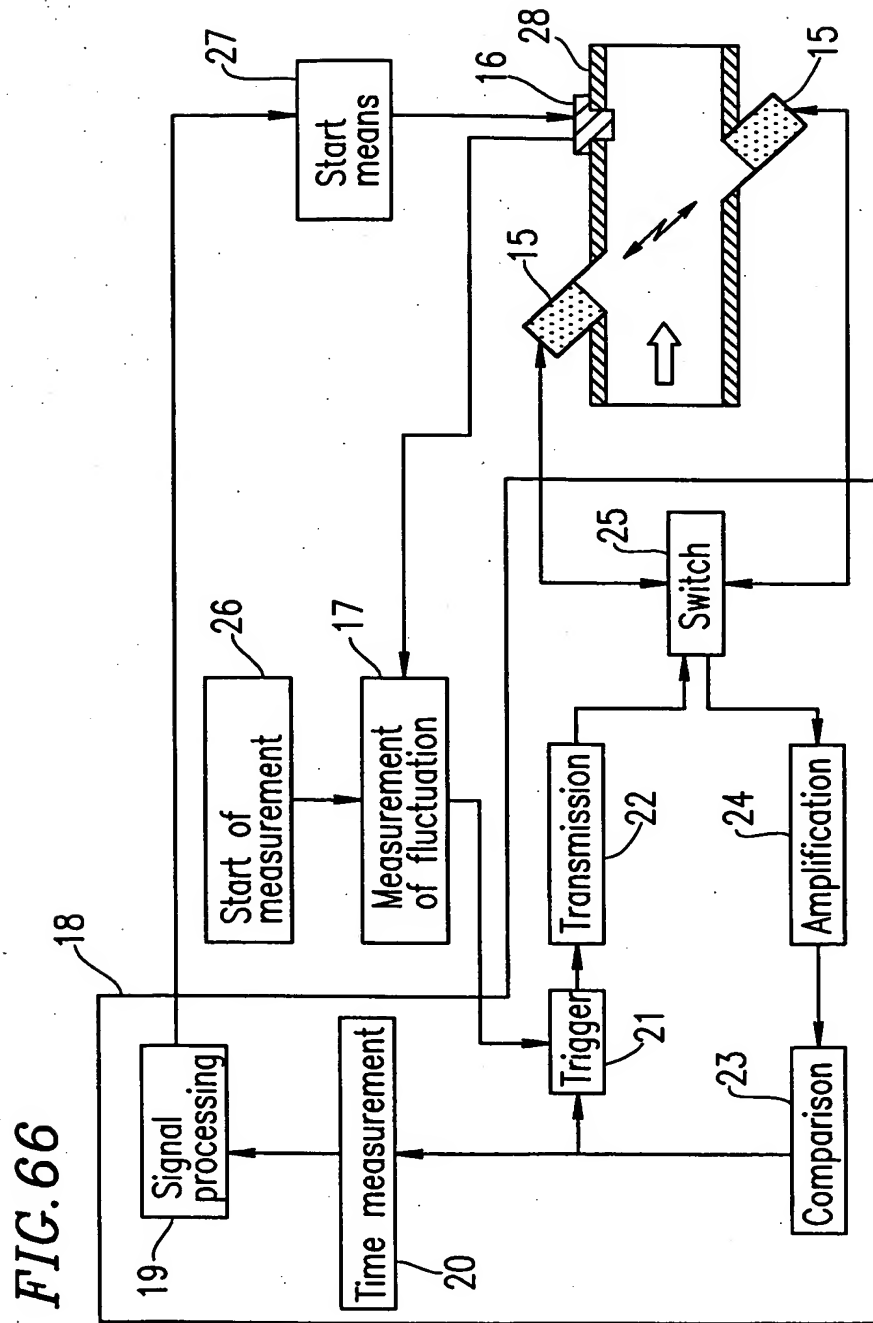


FIG. 65



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FIG. 67

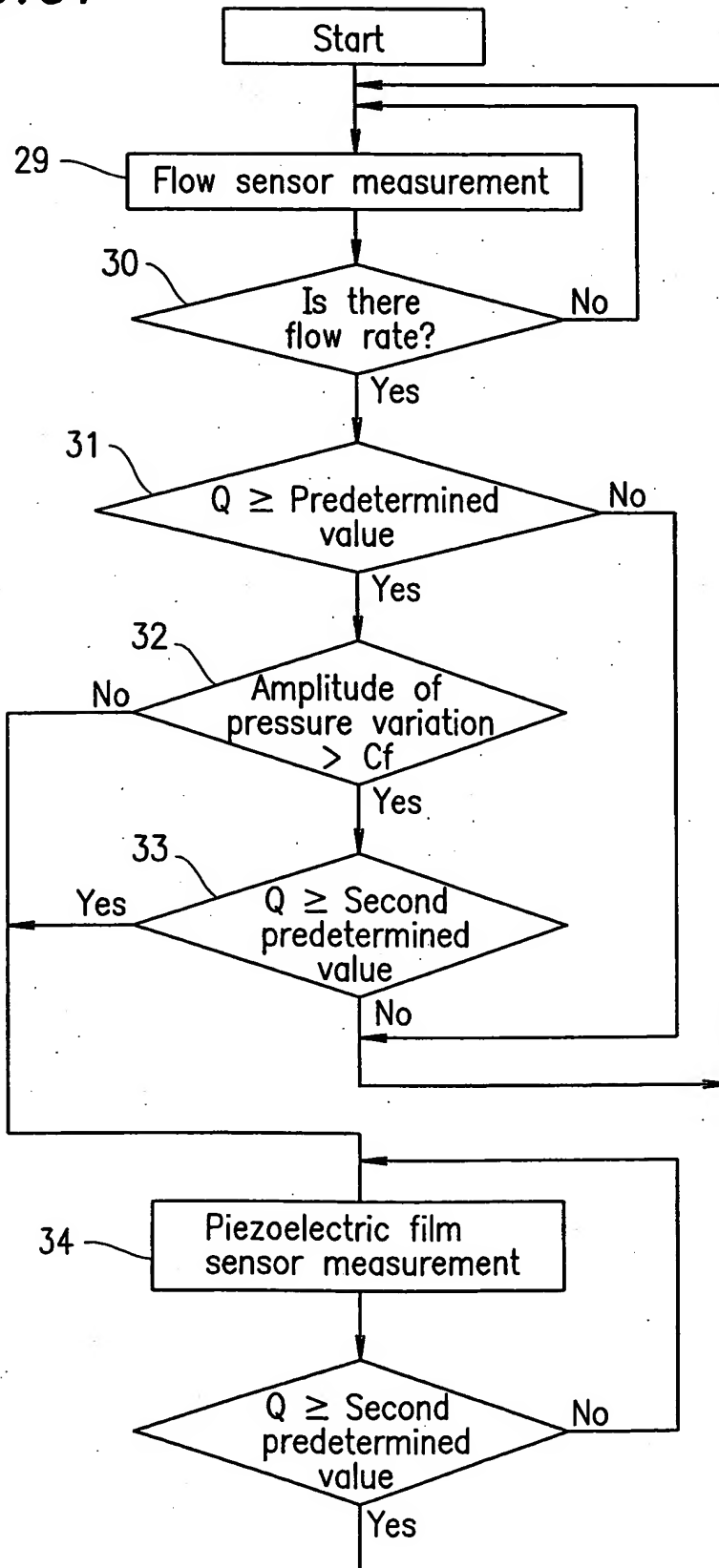


FIG. 68

